

INDEX OF SUBJECTS

Original Articles

A

- ACD, see Acid citrate dextrose
- Acid citrate dextrose, citrate-blood ratio important in platelet aggregation studies, 518
- Acid phosphatase, see under Phosphatase
- ACTH, see Adrenocorticotrophic hormone
- Activated partial thromboplastin time, see under Thromboplastin time, partial
- Acute monocytic leukemia, see under Leukemia, monocytic
- Adamantinoma(s), long bone, ossifying fibroma associated with (abstract), 270
- Adenocarcinoma(s)
- bronchiolar, pseudomesotheliomatous carcinoma of lung, 159
 - pulmonary, pseudomesotheliomatous carcinoma, 159
- Adenoma(s)
- beta-cell, pancreatic adenoma with nesidioblastosis in the tumor in a neonate, 462
 - pituitary, ultrastructure in Nelson's syndrome, 337
- Adenosinediphosphate
- platelet aggregation induced by citrate-blood ratio important in studies of, 518
 - thrombocytopenia effect on determination, 79
- ADP, see Adenosinediphosphate
- Adrenal(s), medullary disease in multiple endocrine neoplasia, type 2 (abstract), 270
- Adrenocorticotrophic hormone, pituitary adenoma in Nelson's syndrome, ultrastructure, 337
- Agar-gel immunodiffusion, see under Immunodiffusion
- AGD, see Immunodiffusion, agar-gel
- Agglutinin(s), caprylate-dependent albumin, infusion of caprylate-stabilized albumin into individual with, 513
- Aggregation, platelet, see under Platelet(s)
- Albinism, oculocutaneous, Chediak-Higashi syndrome in black infant, 483
- Albumin
- antibodies, caprylate-dependent, experimental induction, 513
 - caprylate-stabilized, infusion into individual with caprylate-dependent albumin agglutinins, 513
- Alcohol, telangiectasia evaluated by tourniquet (cuff) test, 199
- Algorithm, implementation of robust estimator of mean for quality control on programmable calculator or computer (letter), 252
- Alkaline phosphatase, see under Phosphatase
- Alpha-antitrypsin, see under Antitrypsin
- Alpha-fetoprotein, see under Fetoprotein
- Amnionitis, amniotic fluid bacteria evaluated, 58
- Amniotic fluid, bacteria, aerobic and anaerobic, evaluated, 58
- Amylase(s), serum salivary isoamylases, changes in Sjögren's syndrome, 1022
- Amyloid, birefringence, green, natural (letter), 417
- Anaerobe(s), susceptibility test, *Bacteroides fragilis*, 1010
- Anaerobic infections, see under Infection(s)
- Analyzer(s)
- centrifugal, serum calcium microdetermination by parallel fast analyzer, 1016
 - parallel fast, serum calcium microdetermination by, 1016
- Anemia
- hemolysis in chronic myelocytic leukemia, 694
 - hemolytic, antiglobulin reaction, direct, positive in patient population, 368
 - iron-deficiency, Chediak-Higashi syndrome in black infant, 483
 - nutritional, megaloblastic abnormalities, unusual, 195
 - pernicious
 - folate deficiency and, megaloblastic abnormalities, unusual, 195
 - methionine detection in megaloblasts, 504
 - renal, transferrin loss into the urine with hypochromic microcytic anemia in nephrotic syndrome, 73
- Angina, antithrombin activity in serum correlated with coronary angiographic findings, 64
- Angiography, antithrombin activity in serum correlated with coronary angiographic findings in coronary-artery disease, 64
- Angioimmunoblastic lymphadenopathy, see under Lymphadenopathy
- Anomaly(ies)
- Chediak-Higashi, pseudo-, in acute leukemia (letter), 1030
 - congenital
 - coronary artery, left, anomalous origin associated with sudden unexpected death (abstract), 271
 - mesoblastic myocardial tumor of infancy (abstract), 271
 - Pelger-Huët, ultrastructure of blood cells, 942

- Antibiogram(s), quantitative, *Bacteroides fragilis* microdilution antibiotic susceptibility test, 1010
- Antibiotic(s)
- resistance, beta-lactamase activity among clinical isolates of Gram-negative bacilli correlated with, 570
 - toxicity, clindamycin-induced pseudomembranous colitis, 455
- Antibody(ies)
- albumin, caprylate-dependent, experimental induction, 513
 - anti-drug-related in nonthrombocytopenic cardiac patients, 523
 - anti-Factor VIII, antigenic differences among bovine and porcine Factor VIII concentrates, 957
 - cellular and humoral immunity in viral hepatitis (symposium), 866
 - DNA, measurement, 364
 - extractable nuclear antigen, radiometric assay (abstract), 257
 - hepatitis B antigen detection by radioimmunoassay, by crossoelectrophoresis, and by agar-gel immunodiffusion, 540
 - heterophil, Mono-Chek test for infectious mononucleosis evaluated, 987
- Anticoagulant(s)
- see also specific agents
 - bishydroxycoumarin therapy, oral, and blood viscosity, 402
- Anticoagulation, heparin, blood recalcification time test in regulation, 390
- Antigen(s)
- extractable nuclear, antibody to detected by radiometric assay (abstract), 257
 - Factor VIII-like, hemophilia carrier detection by combined measurement of immunologic and procoagulant activities, 975
 - hepatitis B
 - cellular and humoral immunity in viral hepatitis (symposium), 866
 - detection by counter-electrophoresis, by reversed passive latex-agglutination technic, and by radioimmunoassay, 547
 - detection by radioimmunoassay, by crossover-electrophoresis, and by agar-gel immunodiffusion, 540
 - surface, in human liver, immunoperoxidase technic for demonstration, 533
 - Staphylococcus aureus*, causing glomerulonephritis, 301
- Antiglobulin tests, direct, in patient population, significance of positive reactions, 368
- Antihemophilic factor, see under Factor(s)
- Antihemophilic globulin, see under Globulin(s)
- Antilymphocyte serum, see under Serum(a)
- Antithrombin assay, see under Assay(s)
- Antitrypsin, alpha₁-
 - protein marker in yolk-sac tumors, 575
 - in yolk-sac tumors (abstract), 264
- APTT, see Thromboplastin time, partial, activated
- Arterial embolism, see under Embolism
- Arteritis, giant-cell, of uterus, 308
- Artery(ies)
- coronary
 - left, sudden unexpected death associated with anomalous origin (abstract), 271
 - thromboarteritis causing myocardial infarction in infants with mucocutaneous lymph node syndrome (abstract), 271
- Arthritis, synovium, hydrolases, acid, neutral, and alkaline in, 220
- Asbestos workers, former, pulmonary cytopathology (abstract), 257
- Ascorbate concentration effect on determination of serum folate (abstract), 256
- Aspiration
- biopsy, see under Biopsy(ies)
 - clot sections, lymphoma involvement of bone marrow diagnosed by, 183
 - technic, thin-needle, 168
- Aspirin
- bleeding times and, 69
 - clot prevention in angina, antithrombin activity in serum correlated with coronary angiographic findings, 64
 - hemostasis and, 69
 - telangiectasia evaluated by tourniquet (cuff) test, 199
 - vascular response to, 69
- Assay(s)
- see also Radioimmunoassay
 - antithrombin in pre-thrombosis and thrombosis, 384
 - heparin-antithrombin in pre-thrombosis and thrombosis, 384
 - immunoradiometric, solid-phase, microtiter, detection of viral hepatitis type A (symposium), 854
 - microtiter solid-phase immunoradiometric assay, detection of viral hepatitis type A (symposium), 854
 - radiometric, antibody to extractable nuclear antigen (abstract), 257
- Atherosclerosis
- antithrombin activity in serum correlated with coronary angiographic findings in coronary-artery disease, 64
 - antithrombin and heparin-antithrombin patterns in pre-thrombosis and thrombosis, 384
- Autoagglutinin(s), albumin, experimental induction of caprylate-dependent albumin antibodies, 513
- Autoimmunity, genetic factors and in viral hepatitis (symposium), 870

Autopsy

- see also Necropsy(ies); Postmortem examination
- esophageal varices demonstrated (letter), 729
- Axillary lymph nodes, see under Lymph node(s)

B

B cells, see under Cell(s)

Bacillus (i)

- Gram-negative, diversity of beta-lactamase activity among clinical isolates of, 570
- septicemia and meningitis caused by unidentified bacillus, 564

Bacteremia, detection in vented and unvented blood culture bottles (abstract), 260

Bacteria

- amniotic fluid, 58
- survival, growth patterns of organisms in clinical blood cultures using hypertonic and isotonic media, 706

Bacteriologic technic(s), dipslide urine cultures (letters), 250; 251

Bacteroides fragilis, microdilution antibiotic susceptibility test, 1010

Beta-cell adenoma, see under Adenoma(s)

Beta-lactamase, see under Lactamase

Bile, extraction of hepatitis A virus (symposium), 876

Bioethics, questions related to hepatitis B antigen (symposium), 848

Biopsy(ies)

- aspiration, thin-needle, 168
 - Jamshidi needle
 - aspiration of bone marrow compared with (abstract), 267
 - bone marrow aspirate clot compared with (abstract), 267
 - needle, subcutaneous nodules and lymph nodes (abstract), 258
 - renal, Masson's trichrome stain in evaluation, 631
 - trephine needle, closed, lymphoma involvement of bone marrow diagnosed by, 183
- Birefringence, amyloid, natural green (letter), 417
- Bishydroxycoumarin, anticoagulant therapy, oral, blood viscosity during, 402
- Bleeding time(s)
 - aspirin and, 69
 - telangiectasia evaluation by tourniquet (cuff) test, 199
 - template, aspirin effect on, 69

Blood

- see also under Coagulation; Hemodialysis; specific constituents and determinations
- bank survey, College of American Pathologists (letters), 254; 254
- cells, ultrastructure in Pelger-Huët anomaly, 942
- culture, see under Culture(s)

gas analysis, bubbles in samples a source of error, 242

- group specificities, Rh, positive direct antiglobulin reaction in patient population, significance, 368
- heparin, blood recalcification time test in monitoring, 390

megakaryocytic nuclei in peripheral (abstract), 266

platelet aggregation determination, thrombocytopenia effect on, 79

recalcification time test to monitor heparin therapy, 390

viscosity and oral anticoagulant therapy, 402

Bone(s)

long, ossifying fibroma (abstract), 270

marrow

- aspirate clot and Jamshidi biopsy compared (abstract), 267
- failure, pancytopenia associated with granulosa-cell tumor of ovary, 344
- granulomatous inflammation, probably drug-related (abstract), 268
- Hodgkin's disease of, histopathologic and clinical findings (abstract), 268
- lymphoid hyperplasia of simulating malignant lymphoma, 45
- lymphoma involvement diagnosed by closed trephine needle biopsy, aspirated paraffin-embedded clot section, and smear preparation, 183
- megaloblastic abnormalities, unusual, in pernicious anemia and folate deficiency, 195
- plasmacytic lesions, reactive, 921
- sections obtained by aspiration and by needle biopsy (abstract), 267

Borate buffer, see under Buffer(s)

Bottles, blood culture, see under Culture(s), blood

Bouyant density properties, hepatitis A virus in human and chimpanzee stool-derived particles (symposium), 876

Bovine Factor VIII, see under Factor(s), Factor VIII

Bovine fibrinogen, see under Fibrinogen

Bovine thrombin, see under Thrombin

Brain

- CPK₁ (BB) detection in serum, 351
- microinfarcts after treatment with antihemophilic factor concentrates, 508

Breast

cancer

- prognosis, extranodal extension of axillary metastases in determination, National Surgical Adjuvant Breast Project, Protocol No. 4, 439
- regional node histology other than sinus histiocytosis in invasive, National Surgical Adjuvant Breast Project, Protocol No. 4, 21
- T-lymphocytes decreased in, 445
- cystosarcoma phyllodes with liposarcomatous stroma, 321

- male, human, steroid-binding proteins in carcinoma of, 360
- Bromide, serum, serum chloride analysis, and diagnosis of bromism, 49
- Bromism, diagnosis, serum chloride analysis, bromide detection, and, 49
- Bronchiole(s), adenocarcinoma, pseudomesotheliomatous carcinoma of lung, 159
- Bubbles in samples for blood-gas analysis a source of error, 242
- Buffer(s), borate, 0.4 M and 0.1 M, in modification of Farr technic for DNA antibody measurement, 364
- C**
- Calcium
serum
 ionic measurement in general hospital population (abstract), 259
 microdetermination by parallel fast analyzer, 1016
- Calculator, programmable, estimator of mean for quality control (letter), 252
- Cancer(s)
 see also Carcinoma(s); Malignancy(ies); Neoplasm(s); Tumor(s); specific types
- breast
 prognosis, extranodal extension of axillary metastases in determination, National Surgical Adjuvant Breast Project, Protocol No. 4, 439
 regional node histology other than sinus histiocytosis in invasive, National Surgical Adjuvant Breast Project, Protocol No. 4, 21
 T-lymphocytes decreased in, 445
 cells in pleural fluid, determination of primary site by cytology (abstract), 257
- lung
 papillary endobronchial tumors (abstract), 265
 peripheral, pseudomesotheliomatous carcinoma, 159
 metastatic, fibrinolytic enzymes in (abstract), 266
- Candida albicans*, pathobiologic features of human candidiasis, 991
- Candidiasis
 human, pathobiologic features, 991
 serologic tests
 three, in distinguishing deep from superficial infection (abstract), 263
 three evaluated, 1001
- Caprylate-dependent albumin antibodies, experimental induction, 513
- Carcinoma(s)
 see also Cancer(s); Neoplasm(s); Tumor(s); specific types
- breast, male, steroid-binding proteins in, 360
- follicular, of thyroid, ultrastructure, 328
- hepatocellular, light microscopic morphology of viral hepatitis (symposium), 787
- Hodgkin's disease in cervical lymph nodes simulated by metastatic transitional-cell carcinoma (abstract), 270
- pseudomesotheliomatous of lung, 159
- small-cell, thyroid, diffuse undifferentiated, fine structure, 623
- squamous-cell, verrucous carcinoma of vagina, 644
- transitional-cell, Hodgkin's disease in cervical lymph nodes simulated by (abstract), 270
- verrucous, vagina, 644
- Carrier(s)
 hemophilia, classic
 detection (H. P. Smith Memorial Lecture), 129
 detection by combined measurement of immunologic and procoagulant activities, 975
- hepatitis B, bioethical questions related to (symposium), 848
- Cations, divalent, effect on thrombin time of heparinized plasma, 206
- Celestine blue B, see under Stain(s)
- Cell(s)
 see also Cytology; specific cells
- B, plasmacytic lesions, reactive, of bone marrow, 921
- blood, ultrastructure in Pelger-Huët anomaly, 942
- immunology in viral hepatitis (symposium), 866
- injury, hepatitis pathophysiology (symposium), 828
- plasma, bone marrow, reactive plasmacytic lesions in, 921
- Centrifugation
 continuous-flow, technics (abstract), 262
 counting vials, in modification of Farr technic for DNA antibody measurement, 364
- CEP, see Crossover electrophoresis
- Cephalosporinase, beta-lactamase activity among isolates of Gram-negative bacilli, diversity, 570
- Cerebral, see Brain
- Chediak-Higashi
 anomaly, pseudo-, in acute leukemia (letter), 1030
- syndrome in black infant, 483
- Chloride, serum, analysis, bromide detection, and diagnosis of bromism, 49
- Cholestatic hepatitis, see under Hepatitis
- Chromatography, fibrin monomer complexes, soluble, semiquantitative determination, 397
- Chromosomes(s)
 Philadelphia, chronic granulocytic leukemia without, 467
- sex, mosaicism, XXY/XY, hypothalamic hypothyroidism and, 675
- Chronic granulocytic leukemia, see under Leukemia, granulocytic
- Chronic hepatitis, see under Hepatitis
- Chronic lymphocytic leukemia, see under Leukemia, lymphocytic

- Chronic myelocytic leukemia, see under Leukemia, myelocytic
- Cirrhosis
- cytologic atypia in peritoneal fluid a diagnostic problem (abstract), 264
 - light microscopic morphology of viral hepatitis (symposium), 787
- Citrate-blood ratio important in platelet aggregation studies, 518
- Clindamycin, colitis, pseudomembranous, induced by, 455
- Clinical laboratory, see under Laboratory(ies)
- Clot
- prevention, angina patients, antithrombin activity in serum correlated with coronary angiographic findings, 64
 - section, aspirated paraffin-embedded, lymphoma involvement of bone marrow diagnosed by, 183
- Clotting factors, see under Factor(s)
- Coagulation
- see also Anticoagulant(s); Clotting; specific anticoagulants
 - intravascular, fibrin monomer complexes, semi-quantitative determination by chromatography and serial-dilution protamine sulfate test, 397
 - intravascular disseminated
 - nonbacterial thrombotic endocarditis and (abstract), 272
 - plasma protamine paracoagulation test, interpretation, 698
 - unusual intravascular material in brain after treatment with antihemophilic factor concentrates, 508
- Coding, Standard Nomenclature of Pathology, pathologic diagnoses, storage and retrieval, 654
- Colitis, pseudomembranous, clindamycin-induced, 455
- Collagen
- platelet aggregation induced by
 - citrate-blood ratio important in studies of, 518
 - thrombocytopenia effect on determination, 79
- Complement, glomerulonephritis caused by *Staphylococcus aureus* antigen, 301
- Comprised host, see under Host(s)
- Computer(s)
- diagnosis, differential, of laboratory abnormalities and follow-up testing, 234
 - estimator of mean for quality control (letter), 252
 - offsite, and optical character recognition systems, storage and retrieval of SNOP-coded pathologic diagnoses, 654
- Congenital anomalies, see under Anomalies
- Congenital mesoblastic myocardial tumor, see under Tumor(s), mesoblastic
- Congenital mesoblastic nephroma, see under Nephroma(s), mesoblastic
- Congo red, see under Stain(s)
- Contraceptive(s)
- oral
 - antithrombin and heparin-antithrombin patterns in pre-thrombosis and thrombosis, 384
 - hepatic tumors and (letter), 728
- Control(s)
- activated partial thromboplastin time, standardization, 213
 - prothrombin time, standardization, 213
- Conversion factors, SI units, 2
- Coronary artery, see under Artery(ies)
- Coronary-artery disease, antithrombin activity in serum correlated with coronary angiographic findings, 64
- Counterelectrophoresis, hepatitis B antigen detection by, 547
- CPK₁, see under Isoenzyme(s), creatine kinase
- CPK BB, see Isoenzyme(s), creatine kinase, CPK₁
- Creatine kinase: isoenzyme, CPK₁ (BB) detection in serum, 351
- Cresolphthalein complexone, serum calcium micro-determination by parallel fast analyzer, 1016
- Crossoelectrophoresis, hepatitis B antigen detection by, 540
- Cryptococcal complex, primary pulmonary lymph node, 83
- Cryptococcosis, pulmonary lymph node complex, primary, 83
- Culture(s)
- blood
 - bacterial growth patterns using hypertonic and isotonic media, 706
 - bottles, vented and unvented, bacteremia detection in (abstract), 260
 - collection, quality control (letter), 416
 - medium, see Medium(a)
 - urine, dipslide (letters), 250; 251
- Cyst(s)
- multilocular, renal, 93
 - renal, multilocular, 93
- Cystosarcoma phyllodes, malignant, 321
- Cytochemistry, leukemia, acute monocytic, 471
- Cytogenetics, leukemia, acute monocytic, 471
- Cytoplasmic inclusions, gamma chain, chronic lymphocytic leukemia with, 948
- D**
- Death, sudden unexpected, associated with anomalous origin of left coronary artery (abstract), 271
- Dermatofibrosarcoma protuberans, histiocytic nature of, 136
- Diagnosis
- differential, computer-assisted, of laboratory abnormalities and follow-up testing, 234
 - hepatitis, viral type A and type B (symposium), 741

Dicumarol, see Bishydroxycoumarin
 Differential diagnosis, see under Diagnosis
 Digoxin, anti-drug-related antibodies in nonthrombocytopenic cardiac patients, 523
 Dipslide urine cultures, see under Culture(s), urine
 Dipyridamole, clot prevention in angina, antithrombin activity in serum correlated with coronary angiographic findings, 64
 Direct antiglobulin tests, see under Test(s), anti-globulin
 Disk-acrylamide electrophoresis, see under Electrophoresis
 Disseminated intravascular coagulation, see under Coagulation, intravascular
 Dithizone, zinc in biological fluids determined with, 229
 Divalent cations, see under Cations
 Diverticulosis, esophageal intramural, pathology, 314
 DNA antibodies, see under Antibody(ies)
 Drug(s)
 anti-drug-related antibodies in nonthrombocytopenic cardiac patients, 523
 reactions, clindamycin-induced pseudomembranous colitis, 455
 Dysgerminoma, gonadoblastoma with tubal pregnancy, 121
 Dysplasia, fibrous, intracortical, see under Fibroma(s), ossifying

E

Ectopic tubal pregnancy, see under Pregnancy, tubal
 Education
 see also training
 graduate, accreditation, new developments (abstract), 258
 Electrode(s)
 calcium, use in evaluation of serum calcium in general hospital population (abstract), 259
 ion-selective, serum chloride analysis, bromide detection, and diagnosis of bromism, 49
 oxygen, polarographic, bubbles in samples for blood-gas determinations a source of error, 242
 Electron microscopy, see under Microscopy
 Electrophoresis
 disk-acrylamide
 cancer, characteristic patterns detected in sera, 40
 leukemia, chronic lymphocytic, characteristic patterns detected in sera, 40
 serum salivary isoamylases in Sjögren's syndrome, 1022
 Embolism
 arterial, antithrombin and heparin-antithrombin patterns in pre-thrombosis and thrombosis, 384
 pulmonary
 antithrombin and heparin-antithrombin patterns in pre-thrombosis and thrombosis, 384
 fibrinogen/fibrin degradation products, semiquantitation by latex-agglutination technic and

by tanned red cell hemagglutination inhibition immunoassay, 528
 Endocarditis, thrombotic, nonbacterial, and disseminated intravascular coagulation (abstract), 272
 Endodermal sinus (yolk sac) tumors, protein markers in, 575
 Endocrine neoplasia, multiple, type 2 (abstract), 270
 Enzyme(s)
 beta-lactamase activity among clinical isolates of Gram-negative bacilli, 570
 erythrocyte, polymorphisms in paternity testing, 982
 fibrinolytic, in metastatic cancer (abstract), 266
 lysosomal, in osteoarthritic, rheumatoid, and control synovia, 220
 Eosinophilic granuloma, see under Granuloma(s)
 Epidemiology
 hepatitis, viral, A and B (symposium), 890
 Staphylococcus epidermidis, 711
 Epinephrine
 platelet aggregation induced by
 citrate-blood ratio important in studies of, 518
 thrombocytopenia effect on determination, 79
 Epithelial mesothelioma, see under Mesothelioma
 Epstein-Barr virus, see under Virus(es)
 Erythrocyte(s)
 enzyme polymorphisms in paternity testing, 982
 sedimentation rate, Wintrobe
 zeta sedimentation ratio compared with, 690
 zeta sedimentation ratio and in rheumatoid disease (letters), 727; 727
 sedimentation, zeta sedimentation ratio
 Wintrobe erythrocyte sedimentation rate compared with, 690
 in rheumatoid disease (letters), 727; 727
 Erythrophagocytosis, Chediak-Higashi syndrome in black infant, 483
 Esophagus
 diverticulosis, intramural, pathology, 314
 pseudodiverticulitis, intramural, pathology, 314
 varices, postmortem demonstration (letter), 729
 Estimator of mean for quality control on programmable calculator or computer (letter), 252
 Estriol, serum, radioimmunoassay in monitoring high-risk pregnancy (abstract), 256
 Estrogen receptors, steroid-binding proteins in carcinoma of human male breast, 360
 Etiology, meningitis, septic, 550
 Exclusion rates, paternity testing, serum protein and erythrocyte enzyme polymorphisms in, 982
 Extractable nuclear antigens, see under Antigen(s)

F

Factor(s)
 antihemophilic
 antigenic differences among bovine and porcine Factor VIII concentrates, 957

- concentrates, unusual intravascular material in brain after treatment with, 508
- detection of carriers of classic hemophilia (H. P. Smith Memorial Lecture), 129
- clotting, urinary loss due to hereditary membranous glomerulopathy, 376
- Factor VIII
- antigenic differences among bovine and porcine concentrates, 957
 - bovine, antigenic differences from porcine, 957
 - hemophilia carrier detection by combined measurement of immunologic and procoagulant activities, 975
 - porcine, antigenic differences from bovine, 957
- Factor IX, deficiency, urinary loss of clotting factors due to hereditary membranous glomerulopathy, 376
- Factor XII, deficiency, urinary loss of clotting factors due to hereditary membranous glomerulopathy, 376
- Fletcher, deficiency, and myocardial infarction, 970
- platelet, see under Platelet(s)
- Farr technic, DNA antibody measurement, modification, 364
- Feces
- extraction of hepatitis A virus (symposium), 876
 - smears, celestine blue B stain for intestinal protozoa, 715
- Fetoprotein, alpha-protein marker in yolk-sac tumors, 575
- in yolk-sac tumors (abstract), 264
- Fibrin
- monomer complexes, soluble, semiquantitative determination by chromatography and serial-dilution protamine sulfate test, 397
 - soluble monomer complexes, semiquantitative determination, 397
- Fibrinogen, effects of source and concentration of thrombin on thrombin time of heparinized plasma, 206
- Fibrinogen, bovine, two modes of platelet aggregation mechanism, 680
- Fibrinogen/fibrin degradation products, semiquantitation by latex-agglutination technic and by tanned red cell hemagglutination inhibition immunoassay, 528
- Fibrinolytic enzymes, see under Enzyme(s)
- Fibroblast(s), dermatofibrosarcoma protuberans, histiocytic nature of, 136
- Fibroma(s), ossifying of long bone (abstract), 270
- Fibrosclerosis, multifocal, occlusive phlebitis, 274
- Fibrosis, retroperitoneal, occlusive phlebitis in, 274
- Fibrous dysplasia, intracortical, see under Fibroma(s), ossifying
- Fine structure
- see also under Ultrastructure
 - small-cell carcinoma of thyroid, diffuse undifferentiated, 623
- Fletcher factor, see under Factor(s)
- Flow chart, estimator of mean for quality control on programmable calculator or computer (letter), 252
- Fluid, amniotic, bacteria, aerobic and anaerobic, evaluated, 58
- Fly maggots, intestinal myiasis (abstract), 269
- Focal nodular hyperplasia, see under Hyperplasia, nodular
- Folate
- deficiency
 - methionine detection in pernicious anemia megaloblasts and other erythroid precursors, 504
 - pernicious anemia and, megaloblastic abnormalities, unusual, 195 - serum, ascorbate effect on determination (abstract), 256
- Follicular carcinoma, see under Carcinoma(s)
- Follow-up testing, clinical chemistry, computer-assisted, 234
- Free thyroxine index, see under Index, thyroxine
- Free triiodothyronine index, see under Index, triiodothyronine
- Fungus(i)
- infections
 - candidiasis, human, pathobiologic features, 991
 - candidiasis, three serologic tests for evaluated, 1001
 - opportunistic, cryptococcal primary pulmonary lymph node complex, 83

G

- Gaucher's disease, Hodgkin's disease in association with, 103
- Genetic factors and autoimmunity in viral hepatitis (symposium), 870
- Germ-cell tumors, see under Tumor(s)
- Giant-cell
- arteritis, see under Arteritis
 - transformation of hepatocytes, congenital hemophagocytic reticulosis, 495
- Gland(s), salivary, malignant lymphomas, 421
- Globulin(s), antihemophilic, hemophilia carrier detection by combined measurement of immunologic and procoagulant activities, 975
- Glomerular disease, Masson's trichrome stain in evaluation, 631
- Glomerulonephritis
- lobular, acute, with hyperuricemia and obstructive uric acid nephropathy, 109
 - membranoproliferative, acute, with hyperuricemia and obstructive uric acid nephropathy, 109
 - Staphylococcus aureus* antigen causing, 301
- Glomerulopathy, membranous, hereditary, urinary loss of clotting factors due to, 376
- Glomerulus(i), disease, Masson's trichrome stain in evaluation, 631
- Gonadoblastoma(s), tubal pregnancy with, 121

- Gram-negative bacilli, see under *Bacillus*(i)
 Granulocytic leukemia, see under Leukemia
 Granuloma(s), eosinophilic, polyostotic, prognosis of, 601
 Granulomatous inflammation, see under Inflammation
 Granulosa-cell tumor, see under Tumor(s)

H

- Hamartoma(s), fetal mesenchymal, cytodifferentiated renal tumors occurring with Wilms' tumors of the opposite kidneys, 1050
 HBAb, see Hepatitis B antibody
 HBAG, see Hepatitis B antigen
 Heart
 endocarditis, thrombotic, nonbacterial, and disseminated intravascular coagulation (abstract), 272
 myocardial infarction
 anti-drug-related antibodies in nonthrombocytopenic cardiac patients, 523
 coronary thromboarteritis causing in infants with mucocutaneous lymph node syndrome (abstract), 271
 Fletcher factor deficiency and, 970
 myocardial tumor of infancy, congenital mesoblastic (abstract), 271
 Whipple's disease, ultrastructure of cardiac lesions (abstract), 272
 Hemangiopericytoma, spindle-cell epithelial thymoma and, fine-structural comparison, 612
 Hematocrit, zeta sedimentation ratio independent of, compared with Wintrobe erythrocyte sedimentation rate, 690
 Hematoxylin, see under Stain(s)
 Hemolysis in chronic myelocytic leukemia, 694
 Hemolytic anemia, see under Anemia
 Hemophagocytic reticulosis, see under Reticulosis
 Hemophilia
 classic
 carrier detection (H. P. Smith Memorial Lecture), 129
 carrier detection by combined measurement of immunologic and procoagulant activities, 975
 Hemostasis, telangiectasia evaluated by tourniquet (cuff) test, 199
 Heparin
 anticoagulation, blood recalcification time test in regulation, 390
 antithrombin assay, see under Assay(s)
 blood recalcification time to monitor therapy, 390
 divalent cation effects on thrombin time of heparinized plasma, 206
 dosage, blood recalcification time test in regulation, 390
 fibrinogen/fibrin degradation products, semi-quantitation by latex-agglutination technic and by tanned red cell hemagglutination inhibition immunoassay, 528
 plasma neutralizing activity in evaluation of thrombocytopenia and thrombocytosis, 964
 therapy, monitoring with blood recalcification time test, 390
 thrombin source and concentration effects on thrombin time of heparinized plasma, 206
 Hepatic, see Liver
 Hepatitis
 A, virus, isolation and characterization (symposium), 876
 A and B, diagnosis and pathogenesis of clinical variants (symposium), 898
 active, chronic, diagnosis and pathogenesis (symposium), 898
 anicteric, diagnosis and pathogenesis (symposium), 898
 B antibody, see under Antibody(ies)
 B antigen, see under Antigen(s)
 B carriers, bioethical questions related to (symposium), 848
 B surface antigen, see under Antigen(s)
 cellular pathophysiology (symposium), 828
 cholestatic, diagnosis and pathogenesis (symposium), 898
 fulminant, diagnosis and pathogenesis (symposium), 898
 persistent, diagnosis and pathogenesis (symposium), 898
 viral
 A and B, epidemiology and mode of transmission (symposium), 890
 cellular and humoral immunity in (symposium), 866
 cellular pathophysiology (symposium), 828
 chronic active, light microscopic morphology (symposium), 787
 chronic persistent, light microscopic morphology (symposium), 787
 diagnosis and pathogenesis of clinical variants (symposium), 898
 genetic factors and autoimmunity in (symposium), 870
 type A, detection (symposium), 854
 type A and type B (symposium), 741
 Hepatocellular carcinoma, see under Carcinoma(s)
 Hepatocyte(s), giant-cell transformation, congenital hemophagocytic reticulosis, 495
 Hereditary membranous glomerulopathy, see under Glomerulopathy, membranous
 Heterophil antibody, see under Antibody(ies)
 Histiocyte(s), dermatofibrosarcoma protuberans, histiocytic nature of, 136
 Histiocytic medullary reticulosis, see under Reticulosis, medullary
 Histiocytoma, fibrous, histiocytic nature of dermatofibrosarcoma protuberans, 136

- Histiocytosis
 malignant, congenital hemophagocytic reticulosis, 495
 X, polyostotic eosinophilic granuloma, prognosis of, 601
- Histology, cancer, mammary, significance of regional node histology other than sinus histiocytosis, National Surgical Adjuvant Breast Project, Protocol No. 4, 21
- Hodgkin's disease
 bone marrow, histopathologic and clinical findings (abstract), 268
 cervical lymph nodes, simulated by transitional-cell carcinoma (abstract), 270
 Gaucher's disease in association with, 103
 lymphocyte subpopulations in, 31
- Hormone(s)
 adrenocorticotrophic, pituitary adenoma in Nelson's syndrome, ultrastructure, 337
 melanocyte-stimulating, pituitary adenoma in Nelson's syndrome, ultrastructure, 337
 steroid, steroid-binding proteins in carcinoma of human male breast, 360
 thyroid, radioimmunoassay, correlation with TSH in primary hypothyroid patients (abstract), 256
 thyroid-stimulating, hypothalamic hypothyroidism and XXY/XY sex chromosome mosaicism, 675
- Horseradish peroxidase, hepatitis B surface antigen in human liver demonstrated by immunoperoxidase technic, 533
- Host(s)
 altered, candidiasis, human, pathobiologic features, 991
 compromised, cryptococcal primary pulmonary lymph node complex, 83
- Hydrochlorothiazide, anti-drug-related antibodies in nonthrombocytopenic cardiac patients, 523
- Hydrolase(s), acid, neutral, and alkaline in arthritic synovium, 220
- Hyperplasia
 lymphoid, of bone marrow simulating malignant lymphoma, 45
 nodular, focal, hepatic tumors and oral contraceptives (letter), 728
- Hyperuricemia, glomerulonephritis, acute lobular (membranoproliferative) with, 109
- Hypothyroidism, hypothalamic, XXY/XY sex chromosome mosaicism and, 675
- I
- Immune response
 diagnosis and pathogenesis of clinical variants of viral hepatitis (symposium), 898
 plasmacytic lesions, reactive, of bone marrow, 921
- Immunity, hepatitis, viral type A and type B (symposium), 741
- Immunoblastic lymphadenopathy, see under Lymphadenopathy
- Immunodiffusion, agar-gel, hepatitis B antigen detection by, 540
- Immunoelectronmicroscopy, hepatitis, viral type A, detection (symposium), 854
- Immunofluorescence, *Staphylococcus aureus* antigen causing glomerulonephritis, 301
- Immunoglobulin(s)
 synthesis, chronic lymphocytic leukemia with gamma chain cytoplasmic inclusions, 948
 tissue, in neoplastic and hyperplastic lymphoid tissue (abstract), 268
- Immunologic function, mammary cancer, invasive, regional node histology other than sinus histiocytosis reflecting, National Surgical Adjuvant Breast Project, Protocol No. 4, 21
- Immunology, cellular and humoral immunity in viral hepatitis (symposium), 866
- Immunoperoxidase, hepatitis B surface antigen in human liver demonstrated by technic utilizing, 533
- Immunoradiometric assay, see under Assay(s)
- Immunosuppressed patients, toxoplasmosis, disseminated, in (abstract), 269
- Immunosuppressive proteins, see under Protein(s)
- Immunotype(s), *Pseudomonas aeruginosa* from clinical specimens, 557
- Imprint technic, use for rapid diagnosis in postmortem examinations, 291
- Inclusion(s), cytoplasmic, gamma chain, chronic lymphocytic leukemia with, 948
- Index
 thyroid hormone, combined, based on thyroxine, triiodothyronine, and resin uptake, 356
 thyroxine, free, with free triiodothyronine index in combined thyroid hormone index, 356
 triiodothyronine, free, with free thyroxine index in combined thyroid hormone index, 356
- Infarction, myocardial
 anti-drug-related antibodies, in nonthrombocytopenic cardiac patients, 523
 coronary thromboarteritis causing in infants with mucocutaneous lymph node syndrome (abstract), 271
 Fletcher factor deficiency and, 970
- Infection(s)
 anaerobic, amniotic fluid bacteria evaluated, 58
 fungal
 candidiasis, human, pathobiologic features, 991
 candidiasis, three serologic tests for evaluated, 1001
 postpartum, amniotic fluid bacteria evaluated, 58
 urinary-tract
 dipslide urine cultures (letters), 250; 251
 renal transplant patients, localization by detection of antibody-coated bacteria in urine (abstract), 261

- Infectious disease, hepatitis A and B, epidemiology and mode of transmission (symposium), 890
- Infectious mononucleosis, see under Mononucleosis
- Inflammation, granulomatous, of bone marrow, probably drug-related (abstract), 268
- Information system, clinical laboratory, concepts in design, 662
- Insulinoma, pancreatic adenoma with nesidioblastosis in the tumor in a neonate, 462
- Intestinal protozoa, see under Protozoa
- Intestine(s), myiasis (abstract), 269
- Intracortical fibrous dysplasia, see under Fibroma(s), ossifying
- Intravascular coagulation, see under Coagulation
- Ion-selective electrodes, see under Electrode(s)
- Iron loss in urine with hypochromic microcytic anemia in nephrotic syndrome, 73
- Iron-deficiency anemia, see under Anemia
- ISE, see Electrode(s), ion-selective
- Isoamylase(s), see under Amylase(s)
- Isoenzyme(s); creatine kinase, CPK₁ (BB) detection in serum, 351

J

- Jamshidi needle biopsy, see under Biopsy(ies)
- Jaundice, neonatal, congenital hemophagocytic reticulosis, 495

K

- Karyotype(s), mosaic, gonadoblastoma with tubal pregnancy, 121
- Kidney(s)
see also Transplant
anemia, transferrin loss into the urine with hypochromic microcytic anemia in nephrotic syndrome, 73
biopsies, Masson's trichrome stain in evaluation, 631
cystic, multilocular, 93
glomerulonephritis
 Staphylococcus aureus antigen causing, 301
 and uric acid nephropathy, 109
glomerulopathy, membranous, urinary loss of clotting factors due to, 376
nephrotic syndrome, transferrin loss into the urine with hypochromic microcytic anemia, 73
tumors, cytodifferentiated, occurring with Wilms' tumors of the opposite kidneys, 1050
- Kit(s), fibrinogen/fibrin degradation products, direct latex-agglutination technic for semiquantitation, 528
- Klebsiella pneumoniae*, indole-positive strains producing hydrogen sulfide in iron-agar slants, 702
- Klinefelter's syndrome, hypothalamic hypothyroidism and XXY/XY sex chromosome mosaicism, 675

L

- Laboratory(ies)
clinical, information system, concepts in design, 662
consultation, computer-assisted differential diagnosis of laboratory abnormalities and follow-up testing, 234
control, heparin therapy monitored with blood recalcification time test, 390
data, clinical metrication in SI units, 2
information system (LIS), 662
report order (abstract), 262
- Lactamase, beta-, diversity of activity among clinical isolates of Gram-negative bacilli, 570
- Lactate, excess, in critically ill patients (abstract), 259
- Larc leukocyte analyzer, see under Leukocyte(s), analyzer
- Latex-agglutination
 technic, direct, for semiquantitation of fibrinogen/fibrin degradation products, 528
 test, reversed passive, hepatitis B antigen detection by, 547
- Learning objectives, resident training in clinical chemistry, 1026
- Leukemia
acute, pseudo-Chediak-Higashi anomaly in (letter), 1030
granulocytic, chronic, without Philadelphia chromosome, 467
lymphocytic, chronic, with gamma chain cytoplasmic inclusions, 948
monocytic, acute, cytologic, histologic, cytochemical, ultrastructural, and cytogenetic observations, 471
myelocytic, chronic, hemolysis in, 694
myelomonocytic, hematologic features of preleukemic phase (abstract), 267
plasma-cell, immunoglobulin abnormalities in (letters), 419; 420
platelet size distribution profile (abstract), 266
preleukemic phase of myelomonocytic, hematologic features (abstract), 267
survival rates of patients with chronic granulocytic leukemia with and without Philadelphia chromosome, 467
- Leukocyte(s), analyzer, Corning Larc, evaluated (abstract), 265
- Liposarcoma(s)
cystosarcoma phyllodes with liposarcomatous stroma, 321
periductal, cystosarcoma phyllodes with liposarcomatous stroma, 321
- LIS, see Laboratory information system
- Liver
see also Hepatitis
 hepatitis
 cellular pathophysiology (symposium), 828

- diagnosis and pathogenesis of clinical variants (symposium), 898
 - viral, light microscopic morphology (symposium), 787
 - A virus extraction from samples (symposium), 876
 - necrosis, diagnosis and pathogenesis of clinical variants in viral hepatitis (symposium), 898
 - tumors, oral contraceptives and (letter), 728
 - Lobular glomerulonephritis, see under Glomerulonephritis
 - Long bone, see under Bone(s)
 - Lung(s)
 - adenocarcinoma, pseudomesotheliomatous, 159
 - cancer, peripheral, pseudomesotheliomatous carcinoma, 159
 - cryptococcal primary pulmonary lymph node complex, 83
 - papillary endobronchial tumors (abstract), 265
 - systemic lupus erythematosus, vascular disease in, 284
 - Lupus erythematosus, systemic, pulmonary vascular disease in, 284
 - Lymph node(s)
 - axillary, extranodal extension of metastases, significance in prognosis of breast cancer, National Surgical Adjuvant Breast Project, Protocol No. 4, 439
 - cryptococcal primary pulmonary lymph node complex, 83
 - regional, histology other than sinus histiocytosis in invasive mammary cancer, National Surgical Adjuvant Breast Project, Protocol No. 4, 21
 - Lymphadenopathy, angioimmunoblastic, immunologic and electronmicroscopic characteristics, 929
 - Lymphocyte(s)
 - Hodgkin's disease, subpopulations in, 31
 - receptors, spindle-cell epithelial thymoma, 612
 - T-, decreased in patients with mammary cancer, 445
 - Lymphocytic leukemia, see under Leukemia
 - Lymphocytoma, histologic identification of malignant lymphoma cutis, 149
 - Lymphoepithelial lesion, malignant lymphomas of salivary glands, 421
 - Lymphohistiocytosis, congenital hemophagocytic reticulosis, 495
 - Lymphoid hyperplasia, see under Hyperplasia
 - Lymphoid tissue, immunoglobulins in neoplastic and hyperplastic (abstract), 268
 - Lymphoma(s)
 - bone marrow involvement by, diagnosis by closed trephine needle biopsy, aspirated paraffin-embedded clot section, and smear preparation, 183
 - cutis, malignant, histologic identification, 149
 - malignant
 - lymphoid hyperplasia of bone marrow simulating, 45
 - salivary glands, 421
 - non-Hodgkin's, morphologic and functional studies (abstract), 268
 - Lymphosarcoma(s), salivary glands, 421
 - Lysosomal enzymes, see under Enzyme(s)
 - Lysosome(s)
 - abnormal, Chediak-Higashi syndrome in black infant, 483
 - anomaly, pseudo-Chediak-Higashi anomaly in acute leukemia (letter), 1030
- M**
- Maggot(s), fly, intestinal myiasis (abstract), 269
 - Malacoplakia, experimental induction in guinea pigs (abstract), 269
 - Male breast, see under Breast
 - Malignancy(ies), reticulosis, medullary, histiocytic, mono-spot test positive in, 407
 - Malignant lymphoma, see under Lymphoma(s)
 - Mammary, see Breast
 - Manpower, pathology, needs in United States, 909
 - Marker(s), protein, in endodermal sinus (yolk sac) tumors, 575
 - Marrow, see under Bone(s)
 - Masson's trichrome stain, see under Stain(s)
 - Mean, estimator, for quality control on programmable calculator or computer (letter), 252
 - Measurement, SI units, metrication of-clinical laboratory data in, 2
 - Mediastinum
 - germ-cell tumors
 - postmortem findings, 450
 - postmortem findings (abstract), 264
 - Medium(a)
 - mycobacteria, nontuberculous, isolation in three growth media (abstract), 261
 - selective 7H11, mycobacteria isolation from clinical specimens by, 412
 - Medullary reticulosis, see under Reticulosis
 - Megakaryocytic nuclei in peripheral blood (abstract), 266
 - Megaloblast(s)
 - methionine detection in, 504
 - morphologic abnormalities, unusual, in pernicious anemia and folate deficiency, 195
 - Melanocyte-stimulating hormone, pituitary adenoma in Nelson's syndrome, ultrastructure, 337
 - Membranoproliferative glomerulonephritis, see under Glomerulonephritis
 - Membranous glomerulopathy, see under Glomerulopathy
 - Meningitis
 - etiology of septic in county hospital, 550
 - incidence of septic in county hospital, 550

- septic, etiology and incidence, 550
 septicemia and, caused by unidentified bacillus, 564
 Mersalyl, platelet aggregation mechanism, two modes of, 680
 Mesoblastic nephroma, see under Nephroma(s)
 Mesoblastic tumor, see under Tumor(s)
 Mesothelioma
 epithelial, malignant, clinical, diagnostic, histologic, and electron microscopic aspects, 583
 malignant diffuse, clinical, diagnostic, histologic, and electron microscopic aspects, 583
 pseudomesotheliomatous carcinoma of lung, 159
 sarcomatous, clinical, diagnostic, histologic, and electron microscopic aspects, 583
 Metastasis(es), axillary, significance of extranodal extension in prognosis of breast cancer, National Surgical Adjuvant Breast Project, Protocol No. 4, 439
 Methionine, detection in pernicious anemia megaloblasts and other erythroid precursors, 504
 Metric system, international, see SI units
 Metrication, SI units, clinical laboratory data in, 2
 MIC, see Minimum inhibitory concentration
 Microbiology, quality control in routine blood cultures (letter), 416
 Microdetermination, serum calcium, by parallel fast analyzer, 1016
 Microdilution MIC, *Bacteroides fragilis*, antibiotic susceptibility test, 1010
 Microscopy
 electron
 cystosarcoma phyllodes with liposarcomatous stroma, 321
 follicular carcinoma of thyroid, 328
 hepatitis, cellular pathophysiology (symposium), 828
 mesothelioma, diffuse malignant, 583
 Pelger-Huët anomaly, blood cell ultrastructure, 942
 Micro-SPIRA, see Assay(s), microtiter solid-phase immunoradiometric assay
 Microtiter solid-phase immunoradiometric assay, see under Assay(s), immunoradiometric, solid-phase
 Minimum inhibitory concentration, microdilution test, *Bacteroides fragilis*, 1010
 Mono-Chek test, serologic evaluation, 987
 Monocytic leukemia, see under Leukemia
 Monomer, fibrin, see under Fibrin
 Mononucleosis, infectious, Mono-Chek test, serologic evaluation, 987
 Mono-spot test positive in histiocytic medullary reticulosis, 407
 Morphology, bone marrow involvement by lymphoma, diagnosis by closed trephine needle biopsy, aspirated paraffin-embedded clot section, and smear preparation, 183
 Mosaic karyotype, gonadoblastoma with tubal pregnancy, 121
 Mosaicism, sex chromosome, XXY/XY, and hypothyroidism, 675
 MSH, see Melanocyte-stimulating hormone
 Mucocutaneous lymph node syndrome, coronary thromboarteritis causing myocardial infarction in (abstract), 271
 Multifocal fibrosclerosis, see under Fibrosclerosis
 Multilocular cyst, see under Cyst(s)
 Multiple endocrine neoplasia, type 2 (abstract), 270
 Myalgia, polymyalgia rheumatica, giant-cell arteritis of uterus associated with, 308
 Mycobacteria
 isolation by use of selective 7H11 medium, 412
 nontuberculous, isolation in three growth media (abstract), 261
 Mycosis, deep, human candidiasis, pathobiologic features, 991
 Myelocytic leukemia, see under Leukemia
 Myelomonocytic leukemia, see under Leukemia
 Myiasis, intestinal (abstract), 269
 Myocardial, see under Heart
- N**
- Necropsy(ies)
 see also Postmortem examination
 esophageal varices demonstrated (letter), 729
 germ-cell tumors of mediastinum, postmortem findings, 450
 imprint technic for rapid diagnosis, 291
 Needle aspiration biopsy, see under Biopsy(ies), aspiration
 Nelson's syndrome, pituitary adenoma in, light and electron microscopic features, 337
 Neonate(s), pancreatic adenoma with nesidioblastosis in the tumor in, 462
 Neoplasia, multiple endocrine, type 2 (abstract), 270
 Nephritis, radiation, cytodifferentiated renal tumors occurring with Wilms' tumors of the opposite kidneys, 1050
 Nephroma(s)
 benign multilocular cystic, 93
 mesoblastic, congenital, cytodifferentiated renal tumors occurring with Wilms' tumors of the opposite kidneys, 1050
 Nephropathy, obstructive, glomerulonephritis, acute lobular (membranoproliferative) with, 109
 Nephrotic syndrome
 transferrin loss into the urine with hypochromic microcytic anemia, 73
 urinary loss of clotting factors due to hereditary membranous glomerulopathy, 376
 Nesidioblastosis in pancreatic adenoma in a neonate, 462
 Neutrophil(s), band and segmented, morphologic distinction (abstract), 265

Nodes, lymph, see under Lymph
 Nodular hyperplasia, see under Hyperplasia
 Nonbacterial thrombotic endocarditis, see under
 Endocarditis, thrombotic
 Non-Hodgkin's lymphoma, see under Lymphoma(s)
 Normal values, SI units, metrication of clinical
 laboratory data in, 2
 Nuclear antigens, extractable, see under Antigen(s),
 extractable
 Nuclei, megakaryocytic, in peripheral blood (abstract),
 266
 Nutritional anemia, see under Anemia

O

Objective(s), learning, resident training in clinical
 chemistry, 1026
 Obstructive nephropathy, see under Nephropathy
 Occlusion, vascular, cerebral after treatment with
 antihemophilic factor concentrates, 508
 Occlusive phlebitis, see under Phlebitis
 OCR, see Optical character recognition
 Opportunistic fungus infection, see under Fungus(i)
 Optical character recognition, SNOP-coded patho-
 logic diagnoses, 654
 Oral contraceptives, see under Contraceptive(s)
 Ossifying fibroma, see under Fibroma(s)
 Ovary(ies), granulosa-cell tumor, pancytopenia asso-
 ciated with, 344
 Oxygen
 bubbles in samples for blood-gas determinations a
 source of error, 242
 electrode, see under Electrode(s)

P

P values, paternity testing, serum protein and
 erythrocyte enzyme polymorphisms in, 982
 Pancreas, adenoma with nesidioblastosis in the tumor
 in neonate, 462
 Pancytopenia, granulosa-cell tumor of ovary asso-
 ciated with, 344
 Papanicolaou stain, see under Stain(s)
 Papillary tumors, see under Tumor(s)
 Paracoagulation test, plasma protamine, interpreta-
 tion, 698
 Parallel fast analyzer, serum calcium microdeter-
 mination by, 1016
 Partial thromboplastin time, see under Thrombo-
 plastin time
 Paternity testing, serum protein and erythrocyte
 enzyme polymorphisms in, 982
 Pathologist(s), manpower needs in United States, 909
 Pathology
 diagnoses, SNOP-coded, storage and retrieval, 654
 philosophic discourse (Maude Abbott Lecture), 719
 Pelger-Huët anomaly, ultrastructure of blood cells,
 942

Penicillinase, beta-lactamase activity among isolates of
 Gram-negative bacilli, diversity, 570
 Peritoneal fluid, cytologic atypia a diagnostic problem
 in cirrhotic patients (abstract), 264
 Pernicious anemia, see under Anemia
 Peroxidase, hepatitis B surface antigen in human
 liver demonstrated by immunoperoxidase tech-
 nic, 533
 Philadelphia chromosome, see under Chromosome(s)
 Phlebitis, occlusive, in multifocal fibrosclerosis, 274
 Phosphatase
 acid, prostatic and reticuloendothelial, immuno-
 logic and biochemical comparison (abstract),
 259
 alkaline, spleen, inhibitor of ADP-induced platelet
 aggregation (abstract), 260
 Pituitary, adenoma in Nelson's syndrome, light and
 electron microscopic features, 337
 Plasma cell, see under Cell(s)
 Plasma-cell leukemia, see under Leukemia
 Plasmacytosis, bone marrow, reactive plasmacytic
 lesions, 921
 Platelet(s)
 adhesion, aspirin effect on, 69
 aggregation
 ADP-induced, spleen alkaline phosphatase an
 inhibitor (abstract), 260
 antilymphocyte serum inducing, two modes of
 aggregation mechanism, 680
 citrate-blood ratio important in studies of, 518
 determination, thrombocytopenia effect on, 79
 physical training effects on in atherosclerosis
 patients (abstract), 265
 ⁵¹Cr lysis test, anti-drug-related antibodies in
 nonthrombocytopenic cardiac patients, 523
 factor 3 assay, anti-drug-related antibodies in
 nonthrombocytopenic cardiac patients, 523
 factor 4, antithrombin activity in serum correlated
 with coronary angiographic findings in
 coronary-artery disease, 64
 function, aspirin effects on, 69
 size distribution profiles, normal and in acute
 leukemia (abstract), 266
 Pituitary, pathology, adenoma in Nelson's syndrome,
 light and electron microscopic features, 337
 Polarographic oxygen electrode, see under Elec-
 trode(s), oxygen
 Polymyalgia rheumatica, giant-cell arteritis of uterus
 associated with, 308
 Polyostotic eosinophilic granuloma, see under
 Granuloma(s), eosinophilic
 Porcine Factor VIII, see under Factor(s), Factor VIII
 Postmortem demonstration of esophageal varices
 (letter), 729
 Postmortem examination, imprint technic for rapid
 diagnosis in, 291
 Postpartum infection, see under Infection(s)

Pregnancy

- high-risk, monitoring with serum estriol radioimmunoassay (abstract), 256
- tubal, ectopic, gonadoblastoma with, 121

Preleukemia, see under Leukemia

Pre-thrombosis, antithrombin and heparin-antithrombin patterns in, 384

Prevention, hepatitis, viral type A and type B (symposium), 741

Procoagulants, serum, antithrombin activity correlated with coronary angiographic findings in coronary-artery disease, 64

Prognosis, histiocytosis X, 601

Prostaglandin E₁, platelet aggregation inhibition in unwashed and washed platelets exposed to antilymphocyte serum, 680

Protamine

- plasma, paracoagulation test, interpretation, 698
- sulfate test, serial-dilution, fibrin monomer complexes, soluble, semiquantitative determination, 397

Protein(s)

- immunosuppressive
 - disk-acrylamide electrophoresis detection in cancer sera, 40
 - disk-acrylamide electrophoresis detection in chronic lymphocytic leukemia sera, 40
- markers in endodermal sinus (yolk sac) tumors, 575
- serum, in paternity testing, 982
- steroid-binding, in carcinoma of human male breast, 360

Proteinuria, clotting factor loss due to hereditary membranous glomerulopathy, 376

Prothrombin time, standardization of reagents and controls, 213

Protozoa, intestinal, celestine blue B stain for, 715

Pseudo-Chediak-Higashi anomaly in acute leukemia (letter), 1030

Pseudodiverticulitis, esophageal intramural, pathology, 314

Pseudolymphoma cutis, histologic identification of malignant lymphoma cutis, 149

Pseudomembranous colitis, see under Colitis

Pseudomesotheliomatous carcinoma, see under Carcinoma(s)

Pseudomonas aeruginosa

- immunotypes, 557
- pyocin types, 557

PT, see Prothrombin time

PTT, see Thromboplastin time, partial

Pulmonary, see Lung(s)

Pulmonary embolism, see under Embolism

Purpura, drug-induced, anti-drug-related antibodies in nonthrombocytopenic cardiac patients, 523

Pyocin type(s), *Pseudomonas aeruginosa* from clinical specimens, 557

Q

Quality control

- estimator of mean for on programmable calculator or computer (letter), 252
 - microbiology, routine blood cultures (letter), 416
- Quantitative antibiograms, see under Antibiogram(s)
- Quinidine, anti-drug-related antibodies in nonthrombocytopenic cardiac patients, 523

R

Radiation nephritis, cytodifferentiated renal tumors occurring with Wilms' tumors of the opposite kidneys, 1050

Radioimmunoassay

- estriol, in monitoring high-risk pregnancy (abstract), 256
- hepatitis B antigen detection, 540
- detection, 547
- thyroid hormones, correlation with TSH in primary hypothyroidism (abstract), 256

Radiometric assay, see under Assay(s)

Reagent(s)

- activated partial thromboplastin time, standardization, 213
- prothrombin time, standardization, 213

Recalcification time test, see Test(s), blood recalcification time

Receptor(s), estrogen, steroid-binding proteins in carcinoma of human male breast, 360

Regional nodes, see under Lymph node(s)

Renal, see Kidney(s); Transplant

Resident(s), training, in clinical chemistry, objectives in, 1026

Reticuloendothelial malignancy, histiocytic medullary reticulosis with positive mono-spot test, 407

Reticuloendotheliosis, congenital hemophagocytic reticulosis, 495

Reticulosis

- hemophagocytic, congenital, 495
- medullary, histiocytic, mono-spot test positive in, 407

Retroperitoneal fibrosis, see under Fibrosis

Reversed passive latex-agglutination test, see under Latex-agglutination test

Reye's syndrome

- biochemical, virologic, and electronmicroscopic observations (abstract), 262
- cerebrospinal fluid glutamine as rapid diagnostic test (abstract), 263
- viral crystalline arrays in (abstract), 262

Rh blood group specificities, see under Blood, group specificities

Rheumatoid disease, zeta sedimentation ratio in (letters), 727; 727

RIA, see Radioimmunoassay

Riedel's thyroiditis, see under Thyroiditis
 Ristocetin, platelet aggregation induced by, citrate-blood ratio important in studies of, 512
 RPLA, see Latex-agglutination test, reversed passive

S

Salivary glands, lymphomas, malignant, 421
 Salyrgan, see Mersalyl
 Sarcoma(s)
 see also specific varieties
 cystosarcoma phylloides with liposarcomatous stroma, 321
 Sarcomatous mesothelioma, see under Mesothelioma
 Satellitosis, plasmacytic, in bone marrow, 921
 Screening tests, thalassemia (letters), 1031; 1032
 Sedimentation, erythrocyte, see under Erythrocyte(s)
 Selective 7H11 medium, see under Medium(a)
 Semiquantitation, fibrin monomer complexes, soluble, by chromatography and serial-dilution protamine sulfate test, 397
 Sensitivity, hepatitis B antigen detection by radioimmunoassay, by crossover electrophoresis, and by agar-gel immunodiffusion, 540
 Septic meningitis, see under Meningitis
 Septicemia, meningitis and, caused by unidentified bacillus, 564
 Serology
 fungal, candidiasis, three tests for evaluated, 1001
 mononucleosis, infectious, Mono-Chek test evaluated, 987
 Serotype(s), *Pseudomonas aeruginosa* from clinical specimens, 557
 Serum(a)
 see also specific determinations
 antilymphocyte, platelet aggregation induced by, two modes of aggregation mechanism, 680
 bromide, serum chloride analysis, and diagnosis of bromism, 49
 calcium, microdetermination by parallel fast analyzer, 1016
 chloride analysis, bromide detection, and diagnosis of bromism, 49
 procoagulants, antithrombin activity correlated with coronary angiographic findings in coronary-artery disease, 64
 proteins in paternity testing, 982
 salivary isoamylases in Sjögren's syndrome, 1022
 zinc, in, colorimetric method for determination, 229
 Sex chromosome mosaicism, see under Chromosome(s)
 SI units
 clarification (editorial), 20
 editor's note, 20
 metrication
 clinical laboratory data in, 2
 from crawl to walk (editorial), 19

Sinus(es), endodermal (yolk sac), tumors, protein markers in, 575
 Sjögren's syndrome, serum salivary isoamylases in, 1022
 Skin, lymphoma cutis, malignant, histologic identification, 149
 Small-cell carcinoma, see under Carcinoma(s)
 Smear(s), fecal, celestine blue B stain for intestinal protozoa, 715
 SNOP, see Standard Nomenclature of Pathology
 Sodium caprylate, see Caprylate
 Sodium citrate, see Citrate
 Solid-phase immunoradiometric assay, see under Assay(s), immunoradiometric
 Spindle-cell thymoma, see under Thymoma(s)
 Squamous-cell carcinoma, see under Carcinoma(s)
 Stain(s)
 celestine blue B for intestinal protozoa, 715
 Congo red, amyloid natural green birefringence with (letter), 417
 hematoxylin, celestine blue B as alternative for intestinal protozoa, 715
 Masson's trichrome, renal biopsies, 631
 Papanicolaou, thin-needle aspiration biopsy, 168
 Standard Nomenclature of Pathology, pathologic diagnoses using offsite computing and optical character recognizing system, storage and retrieval, 654
Staphylococcus aureus antigen causing glomerulonephritis, 301
Staphylococcus epidermidis typing by serum-soft agar technic, epidemiologic application, 711
 Steroid-binding proteins, see under Protein(s)
 Stool, see Feces
 Streptococcus(i), Group B, isolates in neonates (abstract), 261
 Sudden unexpected death, see under Death
 Sunlight, exposure to, telangiectasia evaluated by tourniquet (cuff) test, 199
 Susceptibility test, see under Test(s)
 Syndrome(s), see under individual designations
 Synovium, arthritic, hydrolases, acid, neutral, and alkaline in, 220
 System(s), laboratory information, concepts in design, 662
 Système International d'Unités, see SI units
 Systemic lupus erythematosus, pulmonary vascular disease in, 284

T

T3, see Triiodothyronine
 T4, see Thyroxine
 T cells, see Lymphocyte(s), T-
 T lymphocytes, see under Lymphocyte(s)
 Tanned red cell hemagglutination inhibition immunoassay for semiquantitation of fibrinogen/fibrin degradation products, 528

- Telangiectasia, tourniquet (cuff) test in evaluation, 199
- Temperature measurement and control in laboratory (abstract), 258
- Template bleeding time, see under Bleeding time(s)
- Test(s)
- antiglobulin, direct, in patient population, significance of positive reactions, 368
 - blood recalcification time to monitor heparin therapy, 390
 - candidiasis, serologic, three evaluated, 1001
 - carrier, hemophilia, classic, combined measurement of immunologic and procoagulant activities, 975
 - latex-agglutination
 - direct, for semiquantitation of fibrinogen/fibrin degradation products, 528
 - reversed passive, hepatitis B antigen detection by, 547
 - Mono-Chek, serologic evaluation, 987
 - mono-spot, positive in histiocytic medullary reticulosis, 407
 - paternity, serum protein and erythrocyte enzyme polymorphisms in, 982
 - protamine paracoagulation, plasma, interpretation, 698
 - protamine sulfate, serial-dilution, in quantitation of soluble fibrin monomer complexes, 397
 - screening, thalassemia (letters), 1031; 1032
 - susceptibility, anaerobic, *Bacteroides fragilis*, 1010
 - tourniquet (cuff), telangiectasia evaluated by, 199
- Thalassemia, screening for (letters), 1031; 1032
- susceptibility, anaerobic, *Bacteroides fragilis*, 1010
 - tourniquet (cuff), telangiectasia evaluated by, 199
- Thin-needle aspiration biopsy, see under Biopsy(ies), aspiration
- Thrombin
- bovine, effects of source and concentration of thrombin on thrombin time of heparinized plasma, 206
- Thrombin time
- heparinized plasma
 - effect of divalent cations, 206
 - effects of thrombin source and concentration, 206
- Thrombocytopenia
- anti-drug-related antibodies in nonthrombocytopenic cardiac patients, 523
 - heparin neutralizing activity of plasma in evaluation, 964
 - platelet aggregation determination in the presence of, 79
- Thrombocytosis, heparin neutralizing activity of plasma in evaluation, 964
- Thrombophlebitis, acute, antithrombin and heparin-antithrombin patterns in prethrombosis and thrombosis, 384
- Thromboplastin time, partial
- activated, standardization of reagents and controls, 213
 - critique of College of American Pathologists survey (letters), 126; 126
- Thrombosis
- antithrombin and heparin-antithrombin patterns in, 384
 - prone patients, antithrombin activity in serum correlated with coronary angiographic findings, 64
- Thrombotic endocarditis, see under Endocarditis
- Thymoma(s), spindle-cell epithelial, fine-structure and tumor lymphocyte observations, 612
- Thymus-derived lymphocytes, see Lymphocyte(s), T-
- Thyroid
- carcinoma
 - follicular, ultrastructure, 328
 - small-cell, diffuse undifferentiated, fine structure, 623
 - hormone index, combined, based on thyroxine, triiodothyronine and resin uptake, 356
 - hormones, radioimmunoassay, correlation with TSH in primary hypothyroid patients (abstract), 256
- Thyroid-stimulating hormone, see under Hormone(s)
- Thyroiditis, Riedel's, occlusive phlebitis in, 274
- Thyroxine
- index, free, with free triiodothyronine index in combined thyroid hormone index, 356
 - thyroid hormone index, combined, incorporating, 356
- Tissue immunoglobulins, see under Immunoglobulin(s)
- Tourniquet (cuff) test, telangiectasia evaluated by, 199
- Toxicity, antibiotic, clindamycin-induced pseudomembranous colitis, 455
- Toxoplasmosis
- (letter), 250
 - disseminated, in immunosuppressed patients (abstract), 269
- Training
- chemistry, clinical, of residents, objectives, 1026
 - resident, clinical chemistry, objectives, 1026
- Transcortin, disk-acrylamide electrophoresis detection in cancer sera, 40
- Transferrin loss in urine with hypochromic microcytic anemia in nephrotic syndrome, 73
- Transfusion
- caprylate-dependent albumin antibodies, experimental induction, 513
 - reaction, caprylate-dependent albumin antibodies, experimental induction, 513
- Transitional-cell carcinoma, see under Carcinoma(s)
- Transplant(s)
- renal
 - toxoplasmosis, disseminated, in immunosuppressed patients (abstract), 269
 - urinary-tract infections in localized by detection of antibody-coated bacteria in urine (abstract), 261
- TRCHII, see Tanned red cell hemagglutination inhibition immunoassay

- Trephine needle biopsy, see under Biopsy(ies)
 Trichrome stain, see Stain(s), Masson's trichrome
 Triiodothyronine
 index, free, with free thyroxine index in combined thyroid hormone index, 356
 thyroid hormone index, combined, incorporating, 356
 Tubal pregnancy, see under Pregnancy
 Tumor(s)
 germ-cell
 mediastinum, postmortem findings, 450
 mediastinum, postmortem findings (abstract), 264
 granulosa-cell of ovary, pancytopenia associated with, 344
 hepatic, oral contraceptives and (letter), 728
 mesoblastic myocardial, congenital (abstract), 271
 myocardial, of infancy, congenital mesoblastic (abstract), 271
 papillary endobronchial (abstract), 265
 renal, differentiated, occurring with Wilms' tumors of the opposite kidneys, 1050
 Wilms'
 bilateral, 1050
 cytodifferentiated renal tumor in opposite kidney, 1050
 multilocular cysts of the kidney resembling, 93
 yolk-sac
 alpha₁-antitrypsin and alpha-fetoprotein in (abstract), 264
 protein markers in, 575

U

- Ultrastructure
 see also Microscopy, electron
 hepatitis, cellular pathophysiology (symposium), 828
 leukemia, acute monocytic, 471
 pituitary adenoma in Nelson's syndrome, 337
 thymoma, spindle-cell epithelial, 612
 Units, SI, metrication of clinical laboratory data in, 2
 Urinary-tract infections, see under Infection(s)
 Urine
 cultures, see under Culture(s)
 iron excretion in with hypochromic microcytic anemia in nephrotic syndrome, 73
 transferrin loss in with hypochromic microcytic anemia in nephrotic syndrome, 73
 Urobilinogen, hemolysis in chronic myelocytic leukemia, 694
 Uterus, giant-cell arteritis of, 308

V

- Vagina, carcinoma, verrucous, 644
 Varices, esophageal, postmortem demonstration (letter), 729

- Vascular disease, pulmonary, in systemic lupus erythematosus, 284
 Vascular function, aspirin and, 69
 Vascular occlusion, cerebral after treatment with antihemophilic factor concentrates, 508
 Vein(s), phlebitis, occlusive, in multifocal fibrosclerosis, 274
 Verrucous carcinoma, see under Carcinoma(s)
 Viral hepatitis, see under Hepatitis
 Virus(es)
 Epstein-Barr, antibody to in histiocytic medullary reticulosis, 407
 hepatitis A
 characterization (symposium), 876
 detection (symposium), 854
 extraction from stool and liver tissues (symposium), 876
 isolation (symposium), 876
 purification (symposium), 876
 hepatitis type A and type B (symposium), 741
 Viscosity, blood, and oral anticoagulant therapy, 402

W

- Whipple's disease, ultrastructure of cardiac lesions (abstract), 272
 Wilms' tumor, see under Tumor(s)
 Wintrobe erythrocyte sedimentation rate see under Erythrocyte(s), sedimentation

Y

- Yolk-sac tumors, see under Tumor(s)

Z

- Zeta potential, zeta sedimentation ratio, 690
 Zeta sedimentation ratio, see under Erythrocyte(s), sedimentation
 Zinc, serum, colorimetric method for determination, 229

H. P. Smith Memorial Lecture, 129

Maude Abbott Lecture, 719

Symposium. Viral Hepatitis. Tenth Annual ASCP Research Symposium, 741

Abstracts of Papers, Scientific Sessions of the Fall Program of the American Society of Clinical Pathologists, September 19-26, 1975, 256

Minutes of the Meeting of the Members of the American Society of Clinical Pathologists at the Fall Meeting, Thursday, September 25, 1975, 730

Photograph. Warren L. Bostick, M.D., President, American Society of Clinical Pathologists, 1975-76, 273

Photograph. James J. Humes, M.D., President, American Society of Clinical Pathologists, 1974-75, 1

News and Notices, 128, 194, 205, 482, 503, 563, 611, 643

Erratum, 569

INDEX OF AUTHORS

- Abt, William J., 356
 Adams, Thompson, 69
 Adham, N. F., 229
 Afroudakis, Angelos P., 533
 Agarwal, S., 266
 Aikawa, Masamichi, 483
 Allen, Arthur C., 109
 Alvira, Mariano M., 262
 Amaral, Leonard, 40
 Anderson, C. T., Jr., 234, 259
 Arkin, Charles F., 265
 Arruda, Jose, 376
 ASCP/CAP Joint Task Force on
 Pathology Manpower, 909
 Ashton, John K., 921
 Assor, D., 265
- Baba, Nobuhisa, 455
 Baker, Roger Denio, 83
 Baldauf, Mary C., 93
 Ball, Marion J., 262
 Baman, S. I., 261
 Barnes, Asa, Jr., 266
 Barnes, William, 261
 Barrett, David A., II, 1026
 Barrett, O'Neill, Jr., 407
 Baughman, Virinda A., 262
 Beam, JoAnne M., 242
 Beeler, Myrton F., 19
 Bennett, Robert M., 364
 Berotte, J. M., 550
 Bick, Rodger L., 69, 266
 Birnbaum, M., 259
 Bishop, William R., 258
 Blair, John D., 271
 Blumberg, Baruch S., 848
 Bobo, Raymond A., 564
 Bolton, Therese L., 412
 Bordin, Gerald M., 418
 Bostick, Warren L., 738
 Boyer, James L., 898
 Bradley, Daniel W., 854, 876
 Braunstein, Herbert, 702
 Brigati, David J., 301
 Brown, John C., 948
 Brynes, Russell K., 471
 Bucher, William C., 727
 Bukowski, Ronald M., 31
 Bull, Brian S., 252
- Calam, Roger R., 260
 Canellos, George P., 467
- Carney, J. Aidan, 270
 Carter, John R., 654
 Carvajal, Carina, 547
 Carvalho, Angelina C. A., 964
 Cawley, Leo P., 257
 Cechner, Ronald L., 654
 Cembrowski, G. S., 234
 Cernich, Mark S., 412
 Changus, G. W., 269
 Changus, J. E., 269
 Charache, P., 261
 Cheitlin, Melvin D., 271
 Cho, Sang Yon, 103
 Christian, C. Donald, 256
 Christianson, Charles S., 257
 Christopherson, William M., 728
 Clauss, Roy D., 384
 Cohen, Arthur H., 631
 Cohen, Margo P., 675
 Collins, D. P., 267
 Collins, John A., 644
 Conlon, H. J., 267
 Cooper, James M., 121
 Copeland, Bradley E., 20, 265
 Costill, David, 265
 Cracchiolo, Andrea, III, 220
 Crockatt, Dale, 523
 Currimbhoy, Zinet, 970
- Dahms, Beverly B., 462
 Dakake, Charles, 462
 Dana, Bruce, 964
 Daneshbod, Khosrow, 601
 Davis, J. S., 272
 de Araujo, Otaviano J., 455
 deCastro, Carlos M., 271
 Dee, Joshua W., 183
 DeGirolami, Paola, 265
 Degnan, Thomas J., 970
 Deinhardt, Friedrich, 890
 Dekker, Andrew, 21
 Delli-Bovi, Laurent, 975
 Demers, Laurence M., 356
 Deodhar, Sharad D., 31, 256
 deSousa, M., 268
 Dessler, Richard K., 471
 DeVita, Vincent T., 467
 Di Bella, John, 547
 Dito, William R., 1016
 Djaldetti, Meir, 942
 Dmochowski, Leon, 741
 dos Santos, Neto, Joao Gustavo,
 250
 Dreesman, Gordon R., 854

Drewinko, Benjamin, 183, 266
Dykes, Dale D., 982

Edson, J. Roger, 957
Effron, A. A., 267
Ellis, Lawrence D., 268
Ellman, Leonard, 964
Ellner, Paul D., 251
Eveland, Laverne K., 269
Eyster, M. Elaine, 975

Farrar, W. Edmund, Jr., 570
Faucher, Isabelle, 261
Fayemi, A. Olusegun, 284
Fenoglio, John J., 271
Finkle, Howard I., 264
Finley, Paul R., 256
Fisher, Bernard, 21, 439
Fisher, Edwin R., 21, 149, 439
Fobian, Jane E., 680
Fonkalsrud, Eric W., 462
Frable, William J., 168
Francois, Baudouin, 262
Freundlich, Lawrence F., 250
Fung, Christopher H. K., 698

Gabaldon, Herminia, 921
Gafter, Usi, 942
Gaines, John A., 727
Gall, Edward A., 719
Gall, Eric P., 727
Ghatak, Nitya R., 508
Giles, Harlan R., 256
Goldfischer, Jerome D., 64
Golomb, Harvey M., 471
Good, R. A., 268
Gorman, Angela M., 1030
Gottfried, Eugene L., 1031
Gough, H. Arlene, 265
Gracey, D. R., 159
Grams, Ralph R., 662
Green, David, 376
Greenberg, Jacob, 64, 384
Greenberg, S. Donald, 257
Gregorio, Remigio, 21, 439
Grignol, George, 260
Gulliani, Girdhari L., 390
Gurewich, Victor, 397

Haesler, Walter E., 368
Hall, Marsha, 260
Halpern, Michael S., 948
Hamels, J., 136
Hamilton, C. L., 261
Hancock, Daniel E., 73

Harding, Sally A., 263, 1001
Hartsock, Robert J., 270
Harwood, T. R., 159
Hause, Lawrence L., 680
Hausman, Robert, 274
Heine, M. Wayne, 256
Henry, Raymond L., 260
Hewlett, James S., 31
Hicks, Edward J., 540
Hollinger, F. Blaine, 854, 876
Honig, George, 376
Hornbeck, Cecil L., 876
Horvath, Eva, 337
Hossaini, Ali A., 513
Hug, George, 870
Hughes, Blossie J., 540
Humes, David J., 735
Hurst, George A., 257
Hurst, Irby J., 257
Husain, Muhammad M., 508
Hussey, Clara V., 680
Hyman, George A., 421
Hyun, Bong H., 390, 921
Hyun, Jayson, 419

Innerfield, Irving, 64, 384
Ioachim, Harry L., 445
Ioannides, Kyriakos, 267
Iseri, Oscar A., 828
Ishak, Kamal G., 787
Itano, M., 351
Iwami, Sachiya, 711

Jackson, Roger, 49
Jerry, L. Martin, 612
Johnson, D., 266
Johnson, Peggy, 58
Jones, Marshall B., 975
Jones, Paul K., 129

Kanes, Wanda, 412
Kar, Nirmal C., 220
Kass, Lawrence, 195, 504
Kassouny, Dicran Y., 269
Kay, Saul, 328
Keller, Steven E., 445
Kelly, C. E., 261
Kenney, Michael, 269
Keren, D. F., 261
Kerenyi, Norbert A., 337
Kerkay, Julius, 256
Khilanani, Prem, 929
Kim, Han-Seob, 272
Kim, J., 269
Kim, Kook M., 828

Kim, Wha Sun, 439
King, John W., 262
Kington, Elaine, 257
Kissane, John N., 601
Kjeldsberg, Carl R., 45
Klima, Marcella, 583
Kline, Tilde S., 258
Knauer, Kent A., 991
Koepke, John A., 126, 254
Kolb, Todd, 206
Korpman, Ralph A., 252
Koto, Atsuo, 495
Kovacs, Kalman, 337
Krieg, Arthur F., 356
Kumar, Manjula S., 256
Kurup, Viswanath P., 557
Kuslansky, Philip, 970
Kwa, Daniel, 921

Landing, Benjamin H., 271
Lang, Gordon E., 242
Larson, Eunice J., 271
Lau, Peter, 368
Lee, Robert E., 268
Lee, William M., 866
Lehmann, H. Peter, 2
Leite, Carol, 257
Lemos, L., 265
Lemos, Luciano B., 455
Levine, Peter H., 79
Levy, Robert I., 49
Lewis, Jay F., 58
Lie, J. T., 272
Liew, Choong-Tsek, 533
Lipinski, Boguslaw, 397
Lippe, Barbara M., 462
Litten, Mary Bruce, 390
Lo, Rose, 206, 518
Lopez, E., 268
Lox, Charles D., 256
Luna, Mario A., 264, 450
Lupovich, Penn, 263
Lustgarten, Jack A., 49

Mabry, Linda C., 257
MacPherson, Bruce R., 268
Makker, Sudesh, 483
Mangum, B. W., 258
Markel, Sheldon F., 270
Marshall, June, 948
Matlage, William T., 257
Mayer, George A., 402
Maynard, James E., 876
McAllister, Hugh A., 271
McCann, Daisy S., 259
McClatchy, J. Kenneth, 412

McCloskey, John J., 991
McCreadie, Samuel R., 262
McEvoy, Donald, 256
Melnick, Joseph L., 854
Mendoza, Marcelo, 262
Mennemeyer, Ralph P., 45
Merrill, Richard H., 407
Mersheimer, Walter, 384
Merz, William G., 263, 1001
Meyer, Sybren, 274
Meyers, David S., 257
Miale, John B., 727
Miller, M. D., 267
Miller, Phyllis, 58
Miller, T., 261
Mirra, Joseph, 220, 462
Moeder, Marilyn, 257
Molina, Elena, 364
Moncure, Charles W., 259
Moore, Theresa, 975
Morecki, Rachel, 495
Morse, Edward E., 1032
Muehrcke, Robert C., 376
Mueller, Rudolph G., 242
Myhre, Byron, 254, 987

Nakayama, Vickie, 987
Napoli, Victor M., 344
Neal, Hunter S., 258
Newsome, Jane K., 570
Newton, Eleanor J., 564
Nicastri, Anthony D., 301
Nies, Kenneth M., 948
Nightingale, S. A., 261
Nishine, Akira, 711
Noguchi, Shiro, 31

Oberlin, Anne, 948
O'Connell, Liam G., 1030
Okuno, Takashi, 523
Onstad, John W., 73
O'Regan, Sean, 483
Ozzello, L., 136

Paff, James R., 265
Palakavongs, Pimpa, 970
Palmer, P. E., 264, 575
Palutke, Margarita, 929
Palutke, Waldemar, 675
Pappas, N. John, 49
Parke, E. J., 149
Parker, Joseph C., Jr., 991
Pastor, E. L., 662
Patterson, Billie B., 213
Peacock, Albert, 259
Pearse, Theresa, 445

- Pearson, Carl M., 220
Pedraza, M. A., 420
Perlin, Elliott, 360
Pertschuk, Louis P., 301
Peters, Robert L., 533
Pierre, Robert V., 267
Pirozynski, W. J., 308
Polesky, Herbert F., 98
Pratt-Thomas, H. Rawling, 121
Puls, Jerry L., 213
- Qadri, S. M. Hussain, 550
Qizilbash, Ali H., 321
Quick, Armand J., 199
Quiroga, Luis, 269
- Raich, Peter C., 690
Rakhshan, Mohammad, 270
Ramzy, Ibrahim, 644
Ratnoff, Oscar D., 129
Raudales, Oscar, 291
Raymond, Jane, 206, 518
Raymond, Samuel, 262
Recant, Wendy, 471
Redmond, Carol, 21, 439
Reese, Carol, 471
Reiss, Robert F., 1032
Regazzi, Marie L., 265
Reicher-Reiss, Henrietta, 64
Rinderknecht, H., 229
Robinson, Morton J., 268
Roper, P. R., 266
Rorabacher, Lorraine, 259
Rosenthal, Samuel L., 250
Rosner, Richard, 706
Ross, Michael E., 1022
Rowley, Janet, 471
Russell, Stephen M., 264
Ryan, Raymond W., 1010
Ryden, Sally E., 259
Rywin, Arkadi M., 267, 268
- Safa, Ali M., 256
Safaii, H., 264, 575
Saito, Reisuke, 623
Sakhuja, Rohini, 314
Sandford, Gordon R., 263, 1001
Santorineou, Maria, 495
Sastre, Marcos, 103
Sato, Tatsuo, 261
Schlimgen, K., 259
Schmalhorst, William R., 69
Schoen, Irwin, 416
Scholten, T. H., 715
Schreiber, Douglas, 675
Schulz, Dale M., 93
- Scott, David, 694
Sedmak, Gerald V., 262
Seemayer, Thomas A., 612
Seybold, William D., 583
Shapiro, Lorne, 612
Sharma, Kusum, 623
Sheppard, Robert H., 337
Sherry, Maureen, 265
Sheth, Neela K., 557
Siegesmund, Kenneth A., 262
Siletti, Daniel M., 445
Smith, Roger D., 262, 269
Smout, Marvin S., 644
Soloway, Henry B., 126
Song, M. K., 229
Soriano, Carmencita B., 301
Spjut, Harlan J., 583
Steingrimsson, Olafur, 1010
Stincer, Mario, 547
Stone, Martin L., 384
Suen, Kenneth C., 291
Sueoka, William, 416
Sullivan, A. K., 612
Suzuki, Minoru, 272
Swinehart, Cheryl D., 957
- Takahashi, Masami, 711
Tang, Thomas, T., 262
Tarpley, Thomas M., 1022
Temperly, Nancy, 690
Tempest, David, 265
Terz, Jose J., 328
Theologides, Athanasios, 694
Thompson, E. Brad, 360
Thompson, Jay S., 271
Thornton, Ruth D., 528
Tilton, Richard C., 1010
Titus, Jack L., 272
Tomasulo, Michael, 702
Toren, E. C., Jr., 234
Tormey, Douglas, 360
Triplett, Douglas A., 265
Trump, Benjamin F., 828
Ts'ao, Chung-hsin, 206, 518
Tweeddale, Duane N., 257
- Umlas, Joel, 314
Uemura, Herbert S., 271
- Valdivieso, Manuel, 183
Valenzuela, Rafael, 483
Valenzuela-Tamariz, Jorge, 450
Vellios, Frank, 20
Vennart, George P., 513
Vinciguerra, Vincent, 970
Vuletin, Juan Carlos, 301

Waggoner, Ruth F., 412
Wallach, Howard, 344
Wang, Teh Yu, 680
Warren, Ed, 260
Washington, John A., II, 260
Wasserman, Albert J., 513
Wechsler, Harry L., 149
Weise, Robert, 929
Weiss, Shalom, 942
Wende, R. D., 550
Wenk, Robert E., 49
Werthamer, Seymour, 40
Westgard, J. O., 259
Whang-Peng, Jacqueline, 467
Wiener, Alexander S., 254
Wilson, James E., III, 528
Woda, Bruce A., 301

Wolf, Paul L., 73
Wolf, Robert O., 1022
Wolfe, H. J., 264, 575
Wolff, Marianne, 421
Wood, S. D., 258
Woodson, Betty, 698
Wurzel, Harold A., 368

Yang, J., 715
Yang, M., 268
Yermakov, Valentin, 269, 291
Yokoo, H., 159
Yonan, T., 269
Yoshida, Kosaku, 711

Zimmerman, Michael R., 729

AMERICAN JOURNAL OF CLINICAL PATHOLOGY

OFFICIAL PUBLICATION OF AMERICAN SOCIETY OF CLINICAL PATHOLOGISTS

BOARD OF EDITORS

LESTER ADELSON	EDWIN R. FISHER	CHARLES S. PETTY
ROGER D. BAKER	S. RAYMOND GAMBINO	EDWARD R. POWSNER
JOHN G. BATSAKIS	ROGER K. GILBERT	JAMES W. REAGAN
PARKER R. BEAMER	ELSON B. HELWIG	JOHN W. REBUCK
MYRTON F. BEELER	JOHN B. HENRY	JERALD R. SCHENKEN
GEORGE P. BLUNDELL	DORIN L. HINERMAN	ROBERT SCHREK
WILLIAM M. CHRISTOPHERSON	RAFFAELE LATTES	DONALD A. SENHAUSER
REX D. COUCH	CHANG LING LEE	JOHN A. SHIVELY
CLYDE G. CULBERTSON	JOHN R. McDONALD	DAVID E. SMITH
ANTHONY N. D'AGOSTINO	WILLIAM A. MEISSNER	KURT STERN
ISRAEL DAVIDSOHN	PERRY J. MELNICK	F. WILLIAM SUNDERMAN
LEMUEL W. DIGGS	CHARLES A. OWEN, JR.	JOHN A. WASHINGTON, II
GEORGE W. DOUGLAS	GERALD M. PENN	LYLE A. WEED

FRANK VELLIOS—Editor-in-Chief

University of Texas Southwestern Medical School
5323 Harry Hines Boulevard, Room F2-110
Dallas, Texas 75235

PUBLISHED BY J. B. LIPPINCOTT COMPANY • PHILADELPHIA • TORONTO

All change of address notices for the membership listing should be mailed to American Society of Clinical Pathologists, Attn. AJCP Circulation Dept., 2100 W. Harrison Street, Chicago, Ill. 60612. All other notices should be forwarded to J. B. Lippincott Company, Attn. Circulation Manager, East Washington Square, Philadelphia, Pa. 19105.

Copyright © 1976 by the American Society of Clinical Pathologists. Single copies of all material subject to this copyright may be photocopied for the non-commercial purpose of scientific or educational advancement. Published monthly for the Society by J. B. Lippincott Co., East Washington Square, Philadelphia, Pennsylvania 19105. Second class postage paid at Philadelphia and additional mailing offices. Subscription price: U.S. and possessions, \$30 per year; all other countries \$39 per year. Single issue price \$4.00.

TABLE OF CONTENTS

JANUARY TO JUNE, 1976

Number 1, January 1976

Photograph. James J. Humes, M.D., President, American Society of Clinical Pathologists, 1974-75	1
Metrication of Clinical Laboratory Data in SI Units. H. PETER LEHMANN	2
Editorials:	
Metrication from Crawl to Walk. MYRTON F. BEELER	19
SI Units—A Clarification. BRADLEY E. COPELAND	20
Editor's Note	20
Pathologic Findings from the National Surgical Adjuvant Breast Project (Protocol No. 4). II. The Significance of Regional Node Histology Other Than Sinus Histiocytosis in Invasive Mammary Cancer. EDWIN R. FISHER, REMIGIO GREGORIO, CAROL REDMOND, ANDREW DEKKER, AND BERNARD FISHER	21
Lymphocyte Subpopulations in Hodgkin's Disease. RONALD M. BUKOWSKI, SHIRO NOGUCHI, JAMES S. HEWLETT, AND SHARAD DEODHAR	31
Electrophoretic Abnormalities in Chronic Lymphocytic Leukemia and Cancer Sera. SEYMOUR WERTHAMER AND LEONARD AMARAL	40
Isolated Lymphoid Hyperplasia of the Bone Marrow Simulating Malignant Lymphoma. RALPH P. MENNEMEYER AND CARL R. KJELDSBERG	45
Serum Chloride Analysis, Bromide Detection, and the Diagnosis of Bromism. ROBERT E. WENK, JACK A. LUSTGARTEN, N. JOHN PAPPAS, ROBERT I. LEVY, AND ROGER JACKSON ...	49
Evaluation of Amniotic Fluid for Aerobic and Anaerobic Bacteria. JAY F. LEWIS, PEGGY JOHNSON, AND PHYLLIS MILLER	58
Serum Antithrombin in Coronary-artery Disease. IRVING INNERFIELD, JEROME D. GOLD- FISCHER, HENRIETTA REICHER-REISS, AND JACOB GREENBERG	64
Bleeding Times, Platelet Adhesion, and Aspirin. ROGER L. BICK, THOMPSON ADAMS, AND WILLIAM R. SCHMALHORST	69
Transferrin Loss into the Urine with Hypochromic, Microcytic Anemia. DANIEL E. HANCOCK, JOHN W. ONSTAD, AND PAUL L. WOLF	73
The Effect of Thrombocytopenia on the Determination of Platelet Aggregation. PETER H. LEVINE	79
The Primary Pulmonary Lymph Node Complex of Cryptococcosis. ROGER DENIO BAKER ..	83
Multilocular Cyst of the Kidney. Report of Three Cases with Review of the Literature. MARY C. BALDAUF AND DALE M. SCHULZ	93
Coexistence of Hodgkin's Disease and Gaucher's Disease. SANG YON CHO AND MARCOS SASTRE	103
Acute Lobular (Membranoproliferative) Glomerulonephritis with Hyperuricemia and Obstructive Uric Acid Nephropathy. ARTHUR C. ALLEN	109
Gonadoblastoma with Tubal Pregnancy. H. RAWLING PRATT-THOMAS AND JAMES M. COOPER	121
Letters to the Editor:	
Critique of the College of American Pathologists Partial Thromboplastin Time Survey. HENRY B. SOLOWAY	126
Dr. Koepke's Reply. JOHN A. KOEPKE	126
News and Notices	128

Number 2, February 1976

The Detection of Carriers of Classic Hemophilia. H. P. Smith Memorial Lecture. OSCAR D. RATNOFF AND PAUL K. JONES	129
The Histiocytic Nature of Dermatofibrosarcoma Protuberans. Tissue Culture and Electron Microscopic Study. L. OZZELLO AND J. HAMELS	136
Histologic Identification of Malignant Lymphoma Cutis. EDWIN R. FISHER, E. J. PARK, AND HARRY L. WECHSLER	149
Pseudomesotheliomatous Carcinoma of the Lung. A Variant of Peripheral Lung Cancer. T. R. HARWOOD, D. R. GRACEY, AND H. YOKOO	159
Thin-needle Biopsy. A Personal Experience with 469 Cases. WILLIAM J. FRABLE	168
Comparison of the Efficacies of Closed Trephine Needle Biopsy, Aspirated Paraffin-embedded Clot Section and Smear Preparation in the Diagnosis of Bone-marrow Involvement by Lymphoma. JOSHUA W. DEE, MANUEL VALDIVIESO, AND BENJAMIN DREWINKO	183
Unusual Morphologic Abnormalities of Megaloblasts in Pernicious Anemia and Folate Deficiency. LAWRENCE KASS	195
The Tourniquet Test as a Diagnostic Aid for the Study of Telangiectasia. ARMAND J. QUICK	199
Effects of Source and Concentration of Thrombin, and Divalent Cations, on Thrombin Time of Heparinized Plasma. CHUNG-HSIN TS'AO, JANE RAYMOND, TODD KOLB, AND ROSE LO	206
Standardization of Prothrombin and Activated Partial Thromboplastin Time Reagents and Controls. BILLIE B. PATTERSON AND JERRY L. PULS	213
Acid, Neutral and Alkaline Hydrolases in Arthritic Synovium. NIRMAL C. KAR, ANDREA CRACCHIOLO, III, JOSEPH MIRRA, AND CARL M. PEARSON	220
A Simple, Highly Sensitive Colorimetric Method for the Determination of Zinc in Serum. M. K. SONG, N. F. ADHAM, AND H. RINDERKNECHT	229
Computer-assisted Differential Diagnosis of Laboratory Abnormalities and Follow-up Testing. Evaluation of the Accuracy of a Computer Program. C. T. ANDERSON, JR., G. S. CEMBROWSKI, AND E. C. TOREN, JR.	234
Bubbles in Samples for Blood Gas Determination. A Potential Source of Error. RUDOLPH G. MUELLER, GORDON E. LANG, AND JOANNE M. BEAM	242
Letters to the Editor:	
Toxoplasmosis. JOAO GUSTAVO DOS SANTOS, NETO	250
Dipslide Urine Cultures. SAMUEL L. ROSENTHAL AND LAWRENCE F. FREUNDLICH	250
Dr. Ellner's Reply. PAUL D. ELLNER	251
The Implementation of a Robust Estimator of the Mean for Quality Control on a Programmable Calculator or a Laboratory Computer. RALPH A. KORPMAN AND BRIAN S. BULL	252
Blood Bank Survey. ALEXANDER S. WIENER	254
The Author's Reply. BYRON MYHRE AND JOHN A. KOEPKE	254
Abstracts of Papers, Scientific Sessions of the Fall Program of the American Society of Clinical Pathologists, September 19-26, 1975	256
News and Notices	194, 205

Number 3, March 1976

Photograph. Warren L. Bostick, M.D., President, American Society of Clinical Pathologists, 1975-76	273
Occlusive Phlebitis in Multifocal Fibrosclerosis. SYBREN MEYER AND ROBERT HAUSMAN	274
Pulmonary Vascular Disease in Systemic Lupus Erythematosus. A. OLUSEGUN FAYEMI	284

The Use of Imprint Technic for Rapid Diagnosis in Postmortem Examinations. A Diagnostically Rewarding Procedure. KENNETH C. SUEN, VALENTIN YERMAKOV, AND OSCAR RAUDALES	291
Glomerulonephritis Due to <i>Staphylococcus aureus</i> Antigen. LOUIS P. PERTSCHUK, BRUCE A. WODA, JUAN CARLOS VULETIN, DAVID J. BRIGATI, CARMENCITA B. SORIANO, AND ANTHONY D. NICASTRI	301
Giant-cell Arteritis of the Uterus. Report of Two Cases. W. J. PIROZYNSKI	308
The Pathology of Esophageal Intramural Pseudodiverticulosis. JOEL UMLAS AND ROHINI SAKHUJA	314
Cystosarcoma Phyllodes with Liposarcomatous Stroma. ALI H. QIZILBASH	321
Ultrastructural Observations on a Follicular Carcinoma of the Thyroid Gland. SAUL KAY AND JOSE J. TERZ	328
Light and Electron Microscopic Features of a Pituitary Adenoma in Nelson's Syndrome. KALMAN KOVACS, EVA HORVATH, NORBERT A. KERENYI, AND ROBERT H. SHEPPARD	337
Pancytopenia Associated with a Granulosa-cell Tumor of the Ovary. Report of a Case. VICTOR M. NAPOLI AND HOWARD WALLACH	344
The Detection of CPK ₁ (BB) in Serum. A Summary of Sixteen Cases. M. ITANO	351
A New Combined Thyroid Hormone Index Based on Thyroxine, Triiodothyronine and Resin Uptake. LAURENCE M. DEMERS, WILLIAM J. ABT, AND ARTHUR F. KRIEG	356
Steroid-binding Proteins in Carcinoma of the Human Male Breast. E. BRAD THOMPSON, ELLIOTT PERLIN, AND DOUGLAS TORMEY	360
Measurement of DNA Antibodies. ROBERT M. BENNETT AND ELENA MOLINA	364
Positive Direct Antiglobulin Reaction in a Patient Population. PETER LAU, WALTER E. HAESLER, AND HAROLD A. WURZEL	368
Urinary Loss of Clotting Factors Due to Hereditary Membranous Glomerulopathy. DAVID GREEN, JOSE ARRUDA, GEORGE HONIG, AND ROBERT C. MUEHRCKE	376
Antithrombin and Heparin Antithrombin Patterns in Pre-thrombosis and Thrombosis. IRVING INNERFIELD, MARTIN L. STONE, WALTER MERSHEIMER, ROY D. CLAUS, AND JACOB GREENBERG	384
Blood Recalcification Time. A Simple and Reliable Test to Monitor Heparin Therapy. GIRDHARI L. GULLIANI, BONG H. HYUN, AND MARY BRUCE LITTEN	390
Semiquantitative Determination of Soluble Fibrin Monomer Complexes by Chromatography and Serial-dilution. Protamine Sulfate Test. VICTOR GUREWICH AND BOGUSLAW LIPINSKI	397
Blood Viscosity and Oral Anticoagulant Therapy. GEORGE A. MAYER	402
Positive Mono-Spot Test in Histiocytic Medullary Reticulosis. RICHARD H. MERRILL AND O'NEILL BARRETT, JR.	407
Isolation of Mycobacteria from Clinical Specimens by Use of Selective 7H11 Medium. J. KENNETH MCCLATCHY, RUTH F. WAGGONER, WANDA KANES, MARK S. CERNICH, AND THERESE L. BOLTON	412
Letters to the Editor	
A Quality Control Comment Concerning Routine Blood Cultures. WILLIAM SUEOKA AND IRWIN SCHOEN	416
Natural Green Birefringence of Amyloid. GERALD M. BORDIN	417
Immunoglobulin Abnormalities in Plasma-cell Leukemia. JAYSON HYUN	419
Dr. Pedraza's Reply. M. A. PEDRAZA	420

Number 4, April 1976

Malignant Lymphomas of the Salivary Glands. Review of the Literature and Report of 33 New Cases, Including Four Cases Associated with the Lymphoepithelial Lesion. GEORGE A. HYMAN AND MARIANNE WOLFF	421
---	-----

Pathologic Findings from the National Surgical Adjuvant Breast Project (Protocol No. 4). III. The Significance of Extranodal Extension of Axillary Metastases. EDWIN R. FISHER, REMIGIO M. GREGORIO, CAROL REDMOND, WHA SUN KIM, AND BERNARD FISHER	439
Decreased T-Lymphocytes in Patients with Mammary Cancer. STEVEN E. KELLER, HARRY L. IOACHIM, THERESA PEARSE, AND DANIEL M. SILETTI	445
Germ-cell Tumors of the Mediastinum, Postmortem Findings. MARIO A. LUNA AND JORGE VALENZUELA-TAMARIZ	450
Clindamycin-induced Pseudomembranous Colitis. Report of Three Cases. LUCIANO B. LEMONS, NOBUHISA BABA, AND OTAVIANO J. DEARAJO	455
The Occurrence in a Neonate of a Pancreatic Adenoma with Nesidioblastosis in the Tumor. BEVERLY B. DAHMS, BARBARA M. LIPPE, CHARLES DAKAKE, ERIC W. FONKALSrud, AND JOSEPH M. MIRRA	462
Chronic Granulocytic Leukemia without the Philadelphia Chromosome. GEORGE P. CANNELLOS, JACQUELINE WHANG-PENG, AND VINCENT T. DEVITA	467
Acute Monocytic Leukemia. Cytologic, Histologic, Cytochemical, Ultrastructural, and Cyto- genetic Observations. RUSSELL K. BRYNES, HARVEY M. GOLOMB, RICHARD K. DESSER, WENDY RECENT, CAROL REESE, AND JANET ROWLEY	471
Chediak-Higashi Syndrome in a Black Infant. A Light and Electron Microscopic Study with Special Emphasis on Erythrophagocytosis. RAFAEL VALENZUELA, MASAMICHI AIKAWA, SEAN O'REGAN, AND SUDESH MAKKER	483
Congenital Hemophagocytic Reticulosis. ATSUO KOTO, RACHEL MORECKI, AND MARIA SANTORINEOU	495
Detection of Methionine in Pernicious Anemia Megaloblasts and Other Types of Erythroid Precursors. LAWRENCE KASS	504
Unusual Intravascular Material in the Brain. Autopsy. Findings in a Patient Treated with Antihemophilic Factor Concentrates. NITYA R. GHATAK AND MUHAMMAD M. HUSAIN ..	508
Experimental Induction of Caprylate-dependent Albumin Antibodies. ALI A. HOSSAINI, ALBERT J. WASSERMAN, AND GEORGE P. VENNART	513
Critical Importance of Citrate-Blood Ratio in Platelet Aggregation Studies. CHUNG-HSIN TS'AO, ROSE LO, AND JANE RAYMOND	518
Anti-drug-related Antibodies in Nonthrombocytopenic Cardiac Patients. TAKASHI OKUNO AND DALE CROCKATT	523
Comparison of a Direct Latex-agglutination Technic with the Tanned Red Cell Hemagglu- tination Inhibition Immunoassay (TRCHII) for Semiquantitation of Fibrinogen/Fibrin Degradation Products. JAMES E. WILSON, III, AND RUTH D. THORNTON	528
An Immunoperoxidase Technic for the Demonstration of the Hepatitis B Surface Antigen in Human Livers. ANGELOS P. AFROUDAKIS, CHOONG-TSEK LIEW, AND ROBERT L. PETERS	533
Comparative Sensitivities of Radioimmunoassay, Crossover electrophoresis, and Agar Gel Immunodiffusion for HBAg Detection. EDWARD J. HICKS AND BLOSSIE J. HUGHES	540
Analysis and Comparison of Two Methods to Detect Hepatitis B Antigen. Counterelectro- phoresis (CEP) and Reversed Passive Latex-agglutination (RPLA) Technic in Relation- ship to Radioimmunoassay. CARINA CARVAJAL, JOHN DI BELLA, AND MARIO STINER ...	547
Incidence and Etiology of Septic Meningitis in a Metropolitan County Hospital. S. M. HUSSAIN QADRI, J. M. BEROTTE, AND R. D. WENDE	550
Immunotyping and Pyocin Typing of <i>Pseudomonas aeruginosa</i> from Clinical Specimens. VISWANATH P. KURUP AND NEELA K. SHETH	557
A Previously Undescribed Gram-negative Bacillus Causing Septicemia and Meningitis. RAYMOND A. BOBO AND ELEANOR J. NEWTON	564
Diversity of β -Lactamase Activity among Clinical Isolates of Gram-negative Bacilli. W. EDMUND FARRAR, JR., AND JANE K. NEWSOME	570

Alpha ₁ -Antitrypsin and Alpha-Fetoprotein. Protein Markers in Endodermal Sinus (Yolk Sac) Tumors. PHILIP E. PALMER, HOMA SAFAIL, AND HUBERT J. WOLFE.....	575
News and Notices	482, 503, 563
Erratum	569

Number 5, May 1976

Diffuse Malignant Mesothelioma. MARCELLA KLIMA, HARLAN J. SPJUT, AND WILLIAM D. SEYBOLD	583
Histiocytosis. The Prognosis of Polyostotic Eosinophilic Granuloma. KHOSROW DANESHBOD AND JOHN N. KISSANE	601
Spindle-cell Epithelial Thymoma. Fine-structural and Tumor Lymphocyte Observations. THOMAS A. SEEMAYER, L. MARTIN JERRY, LORNE SHAPIRO, AND A. K. SULLIVAN	612
Fine Structure of a Diffuse Undifferentiated Small-cell Carcinoma of the Thyroid. REISUKE SAITO AND KUSUM SHARMA	623
Masson's Trichrome Stain in the Evaluation of Renal Biopsies. An Appraisal. ARTHUR H. COHEN	631
Verrucous Carcinoma of the Vagina. IBRAHIM RAMZY, MARVIN S. SMOUT, AND JOHN A. COLLINS	644
Storage and Retrieval of SNOP-coded Pathologic Diagnoses Using Offsite Computing and Optical Character Recognizing Systems. RONALD L. CECHNER AND JOHN R. CARTER	654
New Concepts in the Design of a Clinical Laboratory Information System (LIS). RALPH R. GRAMS AND E. L. PASTOR	662
Hypothalamic Hypothyroidism and XXY/XY Sex Chromosome Mosaicism. Report of a Case. DOUGLAS SCHREIBER, WALDEMAR PALUTKE, AND MARGO P. COHEN	675
Platelet Aggregation Induced by Antilymphocyte Serum. 2. Two Modes of the Aggregation Mechanism. TEH YU WANG, CLARA V. HUSSEY, LAWRENCE L. HAUSE, AND JANE E. FOBIAN	680
Comparison of the Wintrobe Erythrocyte Sedimentation Rate with the Zeta Sedimentation Ratio. PETER C. RAICH AND NANCY TEMPERLY	690
Hemolysis in Chronic Myelocytic Leukemia. DAVID SCOTT AND ATHANASIOS THEOLOGIDES .	694
Laboratory Suggestion. Interpretation of Plasma Protamine Paracoagulation Test. CHRISTOPHER H. K. FUNG AND BETTY WOODSON	698
Indole-positive Strains of <i>Klebsiella pneumoniae</i> Producing Hydrogen Sulfide in Iron-Agar Slants. HERBERT BRAUNSTEIN AND MICHAEL TOMASULO	702
Growth Patterns of a Wide Spectrum of Organisms Encountered in Clinical Blood Cultures Using Both Hypertonic and Isotonic Media. RICHARD ROSNER	706
Epidemiologic Application of a Typing Method for <i>Staphylococcus epidermidis</i> Strains by the Serum-Soft Agar Technic. AKIRA NISHINE, SACHIYA IWAMI, MASAMI TAKAHASHI, AND KOSAKU YOSHIDA	711
Celestine Blue B Stain for Intestinal Protozoa. J. YANG AND T. H. SCHOLTEN	715
Welcome Little Fishes—With Gently Smiling Jaws, EDWARD A. GALL	719
Letters to the Editor:	
Zeta Sedimentation Ratio—Rheumatoid Disease. JOHN B. MIALE	727
Dr. Bucher's Reply. WILLIAM C. BUCHER	727
Liver Tumors and the "Pill." WILLIAM M. CHRISTOPHERSON	728
Postmortem Demonstration of Esophageal Varices. MICHAEL R. ZIMMERMAN	729
Minutes of the Meeting of the Members of the American Society of Clinical Pathologists at the Fall Meeting, Thursday, September 25, 1975	730
News and Notices	600, 611, 630, 643

Number 5(S), Supplement to May 1976

Tenth Annual ASCP Research Symposium

Viral Type A and Type B Hepatitis. Morphology, Biology, Immunology and Epidemiology— A Review. LEON DMOCHOWSKI	741
Light Microscopic Morphology of Viral Hepatitis. KAMAL G. ISHAK	787
Cellular Pathophysiology of Hepatitis. BENJAMIN F. TRUMP, KOOK M. KIM, AND OSCAR A. ISERI	828
Bioethical Questions Related to Hepatitis B Antigen. BARUCH S. BLUMBERG	848
Detection of Viral Hepatitis Type A. F. BLAINE HOLLINGER, DANIEL W. BRADLEY, GORDON R. DREESMAN, AND JOSEPH L. MELNICK	854
Cellular and Humoral Immunity in Viral Hepatitis. WILLIAM M. LEE	866
Genetic Factors and Autoimmunity in Viral Hepatitis. GEORGE HUG	870
Isolation and Characterization of Hepatitis A Virus. DANIEL W. BRADLEY, F. BLAINE HOLLINGER, CECIL L. HORNBECK, AND JAMES E. MAYNARD	876
Epidemiology and Mode of Transmission of Viral Hepatitis A and B. FRIEDRICH DEINHARDT	890
The Diagnosis and Pathogenesis of Clinical Variants in Viral Hepatitis. JAMES L. BOYER ...	898

Number 6, June 1976

Pathology Manpower Needs in the United States. <i>ASCP/CAP Joint Task Force on Pathology Manpower</i>	909
Reactive Plasmacytic Lesions of the Bone Marrow. BONG HAK HYUN, DANIEL KWA, HERMINIA GABALDON, AND JOHN K. ASHTON	921
Immunologic and Electronmicroscopic Characteristics of a Case of Immunoblastic Lymph- adenopathy. MARGARITA PALUTKE, PREM KHILANANI, AND ROBERT WEISE	929
Ultrastructural Features of the Blood Cells in a Patient with Pelger-Huët Anomaly. MEIR DJALDETTI, SHALOM WEISS, AND USI GAFTER	942
Chronic Lymphocytic Leukemia with Gamma Chain Cytoplasmic Inclusions. KENNETH M. NIES, JUNE MARSHALL, ANNE OBERLIN, MICHAEL S. HALPERN, AND JOHN C. BROWN	948
Antigenic Differences among Bovine and Porcine Factor VIII Concentrates. J. ROGER EDSON AND CHERYL D. SWINEHART	957
Plasma Heparin Neutralizing Activity. Its Use in the Evaluation of Thrombocytopenia and Thrombocytosis. BRUCE DANA, ANGELINA C. A. CARVALHO, AND LEONARD ELLMAN	964
Fletcher Factor Deficiency and Myocardial Infarction. ZINET CURRIMBOHY, VINCENT VINCIGUERRA, PIMPA PALAKVONGS, PHILIP KUSLANSKY, AND THOMAS J. DEGNAN	970
Carrier Detection in Classic Hemophilia by Combined Measurement of Immunologic (VIII AGN) and Procoagulant (VIII AHF) Activities. M. ELAINE EYSTER, MARSHALL B. JONES, THERESA MOORE, AND LAURENT DELLI-BOVI	975
The Usefulness of Serum Protein and Erythrocyte Enzyme Polymorphisms in Paternity Testing. DALE D. DYKES AND HERBERT F. POLESKY	982
Serologic Evaluation of the Mono-Chek Test. BYRON A. MYHRE AND VICKIE NAKAYAMA	987
Pathobiologic Features of the Human Candidiasis. A Common Deep Mycosis of the Brain, Heart and Kidney in the Altered Host. JOSEPH C. PARKER, JR., JOHN J. McCLOSKEY, AND KENT A. KNAUER	991
Three Serologic Tests for Candidiasis. Diagnostic Value in Distinguishing Deep or Dis- seminated Infection from Superficial Infection or Colonization. SALLY A. HARDING, GORDON R. SANDFORD, AND WILLIAM G. MERZ	1001
The Microdilution Antibiotic Susceptibility Test. OLAFUR STEINGRIMSSON, RAYMOND W. RYAN, AND RICHARD C. TILTON	1010

Microdetermination of Serum Calcium by Parallel Fast Analyzer. WILLIAM R. DITO	1016
Changes in Serum Salivary Isoamylases in Sjögren's Syndrome. ROBERT O. WOLF, MICHAEL E. ROSS, AND THOMAS M. TARPLEY	1022
Learning Objectives in Resident Training. Objectives in Clinical Chemistry. DAVID A. BARRETT, II.	1026
Letters to the Editor	
Pseudo-Chediak-Higashi Anomaly in Acute Leukemia. ANGELA M. GORMAN AND LIAM G. O'CONNELL	1030
Screening for Thalassemia. EUGENE L. GOTTFRIED	1031
The Authors' Reply. ROBERT F. REISS AND EDWARD E. MORSE	1032
Index to Volume 65	1033



Index of Issues: July, pp. 1-156; July supplement, pp. 157-278; August, pp. 279-466; September, pp. 467-618; October, pp. 619-766; November, pp. 767-928; December, pp. 929-1054.

INDEX OF SUBJECTS

Original Articles

A

- Abdomen, wall, hemangiosarcoma following irradiation therapy of endometrial carcinoma, 810
- ABH antigens, see under Antigens
- Abscess(es), facial, *Yersinia enterocolitica* causing, 1016
- Acanthamoeba meningoencephalitis, probable, in Korean child, 723
- Accuracy, regional quality control programs, role in practice of laboratory medicine in United States (CAP survey), 268
- Acid(s), bile, immunoreactive glycine-conjugated, in health and hepatobiliary disease, 831
- Acid phosphatase, see under Phosphatase(s)
- ACT, see Coagulation time, activated
- Activated coagulation time, see under Coagulation time
- Activated partial thromboplastin time, see under Thromboplastin time, partial
- Activation with silicious earth, activated coagulation time of whole blood, 899
- Acute disseminated intravascular coagulation, see under Coagulation, intravascular, disseminated
- Acute leukemia, see under Leukemia
- Acute-phase proteins, see under Protein(s)
- Adenitis, mesenteric, *Yersinia pseudotuberculosis* infections, clinical and laboratory aspects, 101
- Adenocarcinoma(s), prostatic, bone marrow acid and alkaline phosphatase in detection of osseous metastases, 667
- Adrenal
cortex in cystic fibrosis of pancreas, 710
medulla, hyperplasia, in multiple endocrine neoplasia, type 2, 279
- Adult acute leukemia, see under Leukemia, acute
- Age factors
hematocrits, children, normal, 442
Hodgkin's disease in American Negroes, 537
- Agglutination
latex-particle, coccidioid test, false-positive reactions of cerebrospinal fluid and diluted sera, 916
reaction, mixed-cell, isoantigens A, B, and H(O), immunocytologic losses from endometrium and brain demonstrated by, 390
Salmonella with O antisera after exposure to antibiotics, 1004
- Agglutination-inhibition, hepatitis B antigen card test III, sensitivity and specificity, 59
- Albumin, serum (CAP survey), 238
- Alcoholic hepatitis, see under Hepatitis
- Alcoholic hyalin, see under Hyalin
- Aldosterone, adrenal cortex in cystic fibrosis of pancreas, 710
- Alimentary tract, ganglioneuromatosis in multiple endocrine neoplasia, type 3 (abstract), 461
- Alkaline phosphatase, see under Phosphatase(s)
- Alleged rape, see under Rape(s)
- Allescheria boydii*, pulmonary infection with, 1019
- Allograft(s)
renal
anti-kidney cytotoxic antibodies in, 395
rejection, acute, cytochrome in diagnosis (abstract), 463
- Alpha-fetoprotein, see under Fetoprotein(s)
- Alternaria alternata*, cutaneous microabscess formation from, 565
- Alveolar rhabdomyosarcoma, see under Rhabdomyosarcoma(s)
- Amebic granuloma, see under Granuloma(s)
- Amebic meningoencephalitis, see under Meningoencephalitis
- Amine(s), biogenic, formaldehyde fume-induced fluorescence to detect in nonfunctioning argyrophilic tumor (APUDoma) of hepatic duct, 40
- Amino acid(s), hemoglobin^{Jackson}, 453
- Aminoglycoside antibiotics, see under Antibiotic(s)
- Ampicillin, activity against *Neisseria gonorrhoeae*, regression-line analysis, 605
- Amylase(s), isozyme differentiation in patients with hyperamylasemia, evaluation of usefulness, 576
- Amyloid, birefringence, green, "natural" (letters), 1028; 1029
- ANA, see Antibody(ies), antinuclear
- Analysis
discrete, Coulter chemistry unit evaluated, 144
error, differentiation from biologic variability in determinations of cholesterol and total lipid concentrations in sera of healthy young men, 935
regression-line, trimethoprim-sulfamethoxazole activity against *Neisseria gonorrhoeae*, 605
variance, variations of cholesterol and total lipid concentrations in sera of healthy young men,

- differentiating analytic error from biologic variability, 935
- Analyte(s) and analyte concentration effect on precision estimates in clinical chemistry (CAP survey), 193
- Andersen's disease, see Glycogen-storage disease, type IV
- Anemia(s)
- iron-deficiency, erythrocyte measurements, routine, in diagnosis, 870
 - megaloblastic, erythrocyte deformability reduced in, 953
 - pernicious, erythrocytic deformability reduced in megaloblastic anemia, 953
- Angioimmunoblastic lymphadenopathy, see under Lymphadenopathy
- Angiosarcoma(s), radiation-induced, of abdominal wall, 810
- Angiotensin I, assay, fluorimetric, for serum angiotensin-converting enzyme, 416
- Angiotensin II, assay, fluorimetric, for serum angiotensin-converting enzyme, 416
- Angiotensin-converting enzyme, see under Enzyme(s)
- Antibiograms, *Serratia marcescens* isolated from clinical specimens, methods for differentiating compared, 96
- Antibiotic(s)
- aminoglycoside, radioiodination of (abstract), 465
 - Salmonella exposed to, agglutination of O antisera with, 1004
- Antibody(ies)
- anti-drug, anti-platelet antibody determination by platelet factor 3 assay, 475
 - anti-HB_e, significance in hepatic disease, 731
 - anti-HB_s, significance of anti-HB_e in hepatic disease, 731
 - anti-kidney cytotoxic, in human renal allografts, 395
 - antinuclear, substrates for detection, mouse liver sections and cultured mouse fibroblasts compared, 892
 - anti-platelet, determination by platelet factor 3 assay, 475
 - cross-reactivity, corticoids, plasma, simultaneous determination, 588
 - cytophilic, angioimmunoblastic lymphadenopathy with dysproteinemia, immunohistologic and ultrastructural studies, 551
 - cytotoxic, anti-kidney, in human renal allografts, 395
 - DNA, nucleoprotein-coated latex particles in serologic diagnosis of systemic lupus erythematosus, 743
 - fluorescent, reactivity, group D streptococci, enhanced by penicillin or lysozyme, 73
 - leukocyte, HL-A-specific, transfusion reaction with pulmonary infiltration associated with, 483
- Anti-drug antibodies, see under Antibody(ies)
- Antigen(s)
- ABH isoantigens in cervical neoplasia, intra-epithelial, 767
 - glomerulonephritis due to *Staphylococcus aureus*, antigen and immune complex demonstrated (letter), 1027
 - HB_e, significance in hepatic disease, 731
 - HB_s, significance of anti-HB_e in hepatic disease, 731
 - hepatitis B, card test III, sensitivity and specificity, 59
 - hepatitis B surface
 - fine structure of HB_sAg-bearing hepatocytes (abstract), 462
 - immunohistochemical detection in liver tissue of serologically HB_sAg-negative patients (abstract), 461
 - treponemal, in immunopathogenesis of syphilitic glomerulonephritis (abstract), 457
- Anti-HB_e, see under Antibody(ies)
- Anti-kidney cytotoxic antibodies, see under Antibody(ies)
- Antimicrobial(s), MIC, pneumococcal pneumonia fatality while on cephalixin monohydrate due to blood levels less than MIC (abstract), 465
- Antinuclear antibodies, see under Antibody(ies)
- Antinuclear factor test, lupus erythematosus cell preparation results incongruous with, 495
- Anti-platelet antibodies, see under Antibody(ies)
- Antithrombin
- activity, minimal heparin cofactor activity in disseminated intravascular coagulation and cirrhosis, 488
 - II (heparin cofactor), minimal activity in disseminated intravascular coagulation and cirrhosis, 488
 - III, functional and immunologic values compared (abstract), 459
- Antitoxin(s), botulinal, method for selectively removing interfering substances from clinical specimens, 737
- APTT, see Thromboplastin time, partial, activated
- APUDoma(s), nonfunctioning argyrophilic tumor, hepatic duct, methods to detect biogenic amines in tissue, 40
- Asbestos workers, former, pulmonary cytopathology, 815
- Asbestosis, cytopathology, pulmonary, of former asbestos workers, 815
- Aspiration
- biopsy versus, bone marrow histology (letters), 617; 618
 - bone marrow, biopsy combined with (letter), 616
- Aspirin
- hepatotoxicity, ultrastructural changes in, 570
 - telangiectasia, tourniquet test in (letters), 615; 615

- Assay(s)**
 see also Radioimmunoassay(s)
 fluorimetric, for serum angiotensin-converting enzyme, 416
 folates, serum, microbiologic assay compared with radioisotope kit methods, 746
 microbiologic, serum folates, compared with radioisotope kit methods, 746
 platelet factor 3, anti-platelet antibody determination by, 475
 radioisotopic, vitamin B₁₂ in tissues, 863
Atomic absorption spectrometer, see under Spectrometer(s)
Atypia, epithelial, asbestos workers, pulmonary cytopathology, 815
Autoantibody(ies), substrates for detection of anti-nuclear antibodies, mouse liver sections and cultured mouse fibroblasts compared, 892
Autoimmune diseases, antinuclear antibodies, substrates for detection, mouse liver sections and cultured mouse fibroblasts compared, 892
Automated hemoglobinometry, see under Hemoglobinometry
Automated instrument, see under Instrument(s)
Autopsy(ies)
 see also Necropsy(ies)
 disseminated intravascular coagulation, clinically unsuspected, survey, 31
Average-difference test, calcium measurements with respect to five models of atomic absorption spectrometers, 619
- B**
- Bacillary bodies**, intracardiac, electronmicroscopic demonstration in intestinal lipodystrophy (Whipple's disease), 22
Bacteria
 electrochemical method for detecting in urine, for early detection of urinary-tract infections, 91
 Gram-negative, limulus amebocyte lysate test in neonates, 1012
 infections, acute, caused by, nitroblue tetrazolium test, leukocyte, modified in, 905
 intestinal, transmigration, postmortem, demonstrated, 911
 transmigration, postmortem, demonstrated, 911
Bacteriology
 see also Microbiology
 postmortem, transmigration, bacterial, demonstration *in vitro* of postmortem, 911
 stock cultures of fastidious organisms, method for maintaining, 927
 Bacteriuria, electrochemical method to detect, 91
 Barbiturate(s), spectrophotometric analysis, ultraviolet, 823
 Benign cystic teratoma, see under Teratoma(s), cystic
 Bilateral Wilms' tumor, see under Wilms' tumor
Bile
 acids, immunoreactive glycine-conjugated in health and hepatobiliary disease, 831
 duct, hepatic, nonfunctioning argyrophilic tumor (APUDoma), methods to detect biogenic amines in tissue, 40
Bilirubin, glucose determinations in neonatal blood by glucose oxidase methods, including Dextrostix, error sources, 658
Biogenic amines, see under Amine(s)
Biologic variation, see under Variation
Biopsy(ies)
 aspiration versus, bone marrow histology (letters), 617; 618
 bone marrow, combined with aspiration (letter), 616
 lung, transbronchial (abstract), 460
Biotyping, *Serratia marcescens* isolated from clinical specimens, methods for differentiating compared, 96
Birefringence, amyloid, "natural" green (letters), 1028; 1029
Bleeding time, telangiectasia, tourniquet test in (letters), 615; 615
Blind specimens, see under Specimen(s)
Blood
 see also under Coagulation; Hemodialysis; Transfusion; specific constituents and determinations
bank(s)
 survey, College of American Pathologists, 1974 (CAP survey), 248
 survey, College of American Pathologists, ABO-Rh typing success rate in (letter), 611
 cell counters, Haema-Count MK-40 system evaluated, 883
 counts, complete, Haema-Count MK-40 system evaluated, 883
 cultures, see under Culture(s)
 glucose, error sources in neonatal blood by glucose oxidase methods, including Dextrostix, 658
 groups
 antigens ABH, in cervical neoplasia, intra-epithelial, 767
 null types of erythrocytes, human (Philip Levine Award Lecture), 467
 transfusions, see under Transfusion(s)
Bone(s)
 marrow
 biopsy and aspiration (letter), 616
 histology, aspiration versus biopsy (letters), 617; 618
 Hodgkin's disease associated with benign lesions of (abstract), 458
 myelophthisis, oxalosis causing in childhood, 991
 phosphatases, acid and alkaline, diagnostic use in detecting osseous metastases, 667

- osteomalacia, histopathologic diagnosis (letter), 1025
- Bottle(s)
- blood culture
 - vented and unvented vacuum, quantitative study of growth of *Candida albicans* in, 87
 - vented and unvented vacuum, quantitative study of multiplication of *Pseudomonas aeruginosa* in, 80
- Botulism, pyridostigmine treatment of patient complicating laboratory diagnosis, method for selectively removing interfering substances from clinical specimens, 737
- Brain
- immunocytologic losses of isoantigens A, B, and H(O), 390
 - stem, sudden-infant-death syndrome associated with abnormalities, 526
- Branching enzyme(s), see under Enzyme(s)
- Breast
- carcinomas
 - primary, radiation treatment results (letters), 152; 154
 - ultrastructure, 291
 - disease, ultrastructure, 291
 - electron microscopy, normal and abnormal, 291
 - fibrocystic disease, ultrastructure, 291
 - human, ultrastructure, normal and abnormal, 291
 - male, normal and abnormal, ultrastructure, 291
 - mammary gland, male, small-cell carcinoma resembling infiltrating lobular carcinoma, 715
- Bronchoscope(s), fiberoptic, transbronchial lung biopsies (abstract), 460
- Bypass
- cardiopulmonary, platelet response to (abstract), 459
 - jejunoileal, hepatic lesions of central pericellular fibrosis in morbid obesity and after bypass, 684
- C**
- C3, see under Complement
- C4, see under Complement
- Calcium
- ionic, in serum, measurement in general hospital population evaluated, 634
 - serum ionic, measurement in general hospital population evaluated, 634
- Cancer(s)
- see also Carcinoma(s); Malignancy(ies); Neoplasia(s); Tumor(s); specific types
 - breast, ultrastructure, 291
 - fibrinogen heterogeneity in, 958
- Candida albicans*, quantitative study of growth in vented and unvented blood-culture bottles, 87
- CAP, see College of American Pathologists
- Carcinoid(s), argyrophilic tumor, nonfunctioning (APUDoma) of hepatic duct, methods to detect biogenic amines in tissue, 40
- Carcinoma(s)
- see also Cancer(s); Neoplasia(s); Tumor(s); specific types
 - breast, ultrastructure, 291
 - cervical, clinicopathologic correlation, 775
 - lobular, infiltrating, small-cell carcinoma of male mammary gland resembling, 715
 - mammary
 - male breast, small-cell, resembling infiltrating lobular carcinoma, 715
 - primary, radiation treatment results (letters), 152; 154
 - small-cell, male mammary gland, resembling infiltrating lobular carcinoma, 715
 - squamous, asbestos, workers, pulmonary cytopathology, 815
 - thyroid, medullary, adrenal medullary disease in multiple endocrine neoplasia, type 2, 279
- Card test III, see under Test(s), hepatitis B antigen
- Cardiac, see Heart
- Cardiopulmonary bypass, see under Bypass
- Cation(s), divalent, thrombin time in heparinized plasma (letters), 612; 613
- Cavity(ies), nasal, hemangiopericytoma-like tumors, 672
- Cell(s)
- see also Cytology; specific cells
 - blood, counters, Haema-Count MK-40 system evaluated, 883
 - plasma, intranuclear inclusions in monoclonal gammopathies, 10
 - pseudo-LE, see Lupus erythematosus, pseudo-LE cells
 - surface markers, hairy cells, 432
- Central nervous system, human, drug detection in by immunofluorescence (abstract), 458
- Cephalexin monohydrate, pneumonia, pneumococcal, fatality due to blood levels less than MIC (abstract), 465
- Cerebrospinal fluid
- coccidioidal latex-agglutination test, false-positive reactions, 916
 - cytocentrifugation, differential cytology (abstract), 463
- Cervix
- carcinomas, clinicopathologic correlation, 775
 - neoplasia, intraepithelial, isoantigens ABH in, 767
- CH50, see under Complement
- Charcoal-particle test, modification as hepatitis B antigen card test III, sensitivity and specificity, 59
- Chemistry
- kits, see under Kit(s)
 - serum
 - changes in values as result of prolonged contact with the clot, 598

- hemolysis and 0.1 and 1.0% erythrocytes effects on, 639
- separator tube as intermediate storage device within laboratory, 653
- specimen evaporation effects on quality control, 645
- survey, College of American Pathologists, comparison of participant mean values of duplicate specimens (CAP survey), 184
- Chemotherapy, rhabdomyosarcoma in children, 692
- Children, see under Age factors; Pediatrics
- Cholesterol, serum, variations in healthy young men, differentiating analytic error from biologic variability, 935
- Chromatography
 - column
 - creatinase kinase-MB and lactate dehydrogenase 1,2 isoenzymes, method for combined analysis, 425
 - lactate dehydrogenase 1, 2 and creatine kinase-MB isoenzymes, method for combined analysis, 425
- Chronic granulomatous disease, see under Granulomatous disease
- Cirrhosis, heparin cofactor activity minimal in, 488
- Clinical chemistry, see Chemistry
- Clostridium botulinum*, pyridostigmine treatment of patient complicating laboratory identification, method for selectively removing interfering substances from clinical specimens, 737
- Clot(s)
 - contact, prolonged, causing changes in serum chemical values, 598
 - lysis, automatic recording of, instrument for, 124
 - sections, bone marrow histology, aspiration versus biopsy (letters), 617; 618
- Clotting time(s), clot contact, prolonged, causing changes in serum chemical values, 598
- Coagulation
 - antithrombin III, functional and immunologic values compared (abstract), 459
 - intravascular, disseminated
 - acute, complement consumption in without antecedent immunopathology, 967
 - clinically unsuspected, in autopsy survey, 31
 - heparin cofactor activity minimal in, 488
 - pathology, 31
 - intrinsic, mechanism, activated coagulation time of whole blood, progress report, 899
 - time, activated, of whole blood, progress report, 899
- Coccidioidomycosis, coccidioidal latex-agglutination test, false-positive reactions of cerebrospinal fluid and diluted sera, 916
- College of American Pathologists
 - blood bank survey program, comprehensive, 1974 (CAP survey), 248
 - mycobacterial surveys, 1973 (CAP survey), 255
 - standards for an interlaboratory (proficiency) testing program (CAP survey), 276
- Survey Program
 - albumin, serum (CAP survey), 238
 - chemistry kits in (CAP survey), 223
 - enzyme analyses, preliminary studies (CAP survey), 206
 - statistical implications of rounding in (CAP survey), 162
- Supplement, introduction (CAP survey) 159
- Column chromatography, see under Chromatography
- Complement
 - C3 in acute disseminated intravascular coagulation without antecedent immunopathology, 967
 - C4 in acute disseminated intravascular coagulation without antecedent immunopathology, 967
 - CH50 in acute disseminated intravascular coagulation without antecedent immunopathology, 967
 - consumption, acute disseminated intravascular coagulation without antecedent immunopathology, 967
 - fixation, coccidioidal latex-agglutination test, false-positive reactions of cerebrospinal fluid and diluted sera, 916
 - glomerulonephritis due to *Staphylococcus aureus*, antigen and immune complex demonstrated in (letter), 1027
 - receptor, angioimmunoblastic lymphadenopathy with dysproteinemia, immunohistologic and ultrastructural studies, 551
- Complete blood count, see under Blood, counts
- Compound nevus, see under Nevus(i)
- Computer(s)
 - microbiology record system (abstract), 465
 - radioimmunoassay laboratory quality control program, 854
- Concentration(s), analyte, effect on precision estimates in clinical chemistry (CAP survey), 193
- Congenital mesoblastic nephroma, see under Nephroma(s), mesoblastic
- Congo red, see under Stain(s)
- Connective-tissue diseases, antinuclear antibodies, substrates for detection, mouse liver sections and cultured mouse fibroblasts compared, 892
- Contamination, outliers resulting from in random samples of moderate size, evaluation of statistical procedures designed to detect (CAP survey), 167
- Conversion factors, SI units and I.U., serum acid phosphatase (letters), 610; 610
- Correction factor, platelet counts, electronic, on Coulter counter, reassessment, 506
- Cortex, adrenal, in cystic fibrosis of pancreas, 710
- Corticoid(s), plasma, simultaneous determination of

- aldosterone, corticosterone, 11-deoxycorticosterone, 18-hydroxydeoxycorticosterone, cortisol, and 11-deoxycortisol, methods and applications, 588
- Cot deaths, brain-stem and adrenal abnormalities in, 526
- Coulter chemistry unit, evaluation, 144
- Coulter counter, electronic platelet counts with, reassessment of a correction factor, 506
- Counter(s)
 - cell, blood, Haema-Count MK-40 system evaluated, 883
 - Coulter, electronic platelet counts with, reassessment of a correction factor, 506
- CPK, see Creatine kinase
- ⁵¹Cr platelet lysis test, see under Test(s), platelet lysis
- C-reactive proteins, see under Protein(s)
- Creatine kinase-MB, column chromatographic analysis method combined with analysis of lactate dehydrogenase 1, 2, 425
- Crib deaths, brain-stem and adrenal abnormalities in, 526
- Cryopreservation, esterase stain, nonspecific, reduction of health risks in preparation of (letter), 766
- Cuff test, see under Test(s), tourniquet
- Culture(s)
 - blood
 - Candida albicans* growth, quantitative study in vented and unvented blood-culture bottles, 87
 - Pseudomonas aeruginosa* multiplication, quantitative study in vented and unvented blood-culture bottles, 80
 - foreskin, human, cell cultures for isolation of herpesvirus from diagnostic specimens, 65
 - lymphocyte, hairy cells studied, emphasizing surface markers, 432
 - stock, fastidious organisms, simple method for maintaining, 927
 - Cyanide, potassium, isopropanol precipitation test for unstable hemoglobins, KCN effect on, 878
 - Cystadenocarcinoma(s), papillary, amylase isozyme differentiation in, 576
 - Cystic fibrosis, see under Fibrosis
 - Cystic teratoma, see under Teratoma(s)
 - Cystosarcoma phyllodes, clinical and pathologic features (abstract), 461
 - Cytocentrifugation, cerebrospinal fluid, differential cytology (abstract), 463
 - Cytocentrifuge, in diagnosis of acute renal allograft rejection (abstract), 463
 - Cytochemistry, hairy cells studied, emphasizing enzymatic markers, 432
 - Cytopathology, pulmonary, asbestos workers, 815
 - Cytophilic antibody, see under Antibody(ies)
 - Cytotoxic antibodies, see under Antibody(ies)

D

- Death(s), sudden-infant-death syndrome, brain-stem and adrenal abnormalities in, 526
- Decision rules, erythrocyte measurements, routine, in diagnosis of iron-deficiency anemia and thalassemia minor, 870
- Definition(s), reticulocyte (CAP survey), 262
- Definitive method, calcium, isotope-dilution mass spectrometry, in comparison of serum calcium measurements with five models of atomic absorption spectrometers, 619
- Design of survey specimens, interlaboratory survey of enzyme analyses, preliminary studies (CAP survey), 206
- Dextrostix, glucose determinations in neonatal blood by, error sources, 658
- Diagnosis, laboratory, antinuclear antibodies, substrates for detection, mouse liver sections and cultured mouse fibroblasts compared, 892
- Diagnostic laboratory, see under Laboratory(ies)
- Dialysis, botulism clinical specimens, method for selectively removing interfering substances from, 737
- DIC, see Coagulation, intravascular, disseminated
- Digoxin kits, commercial, three years' experience in interlaboratory testing (CAP survey), 234
- Discrete analysis, see under Analysis
- Disease(s)
 - autoimmune, antinuclear antibodies, substrates for detection, mouse liver sections and cultured mouse fibroblasts compared, 892
 - connective-tissue, antinuclear antibodies, substrates for detection, mouse liver sections and cultured mouse fibroblasts compared, 892
 - granulomatous, chronic, null types of human erythrocyte blood groups (Philip Levine Award Lecture), 467
 - hemolytic, hereditary, null types of human erythrocyte blood groups (Philip Levine Award Lecture), 467
 - hepatobiliary, bile acids, immunoreactive glycine-conjugated, in, 831
 - sickle-cell, and poststreptococcal acute glomerulonephritis, light, electron, and immunofluorescence microscopic findings, 986
 - thromboembolic, activated coagulation time of whole blood, progress report, 899
 - vascular, fibrinogen heterogeneity in, 958
- Disk diffusion tests, antibiotic susceptibility, *Neisseria gonorrhoeae* to trimethoprim-sulfamethoxazole and to ampicillin, 605
- Disseminated intravascular coagulation, see under Coagulation, intravascular
- Diurnal variation, cholesterol and total lipid concentrations in sera of healthy young men, 935
- Divalent cations, see under Cation(s)

- DNA antibodies, see under Antibody(ies)
Drug(s), immunofluorescence in detection in human central nervous system (abstract), 458
Duct(s), bile, hepatic, nonfunctioning argyrophilic tumor (APU Doma), methods to detect biogenic amines in tissue, 40
Dysproteinemia, angioimmunoblastic lymphadenopathy with, immunohistologic and ultrastructural studies, 551

E

- Edema, pulmonary, non-cardiac, transfusion reaction with pulmonary infiltration associated with HL-A-specific leukocyte antibodies, 483
Education, videotape examination and review of pathology resident performance (abstract), 466
Electrochemical method for detecting bacteria in urine, for early detection of urinary-tract infections, 91
Electron microscopy, see under Microscopy
Electronic platelet counts, see under Platelet(s), counts
Electrophoresis
 amylase isozyme differentiation in patients with hyperamylasemia, evaluation of usefulness, 576
 fibrinogen heterogeneity in cancer, in occlusive vascular disease, and after surgical procedures, 958
Emergency screening, see under Screening
Encephalitis, *Acanthamoeba* meningoencephalitis, probable, in Korean child, 723
Endocarditis
 Haemophilus paraphrophilus, 922
 in intestinal lipodystrophy (Whipple's disease), electronmicroscopic demonstration of intracardiac bacillary bodies, 22
Endocrine neoplasia, see under Neoplasia
Endometrium
 immunocytologic losses of isoantigens A, B, and H(O), 390
 stromal tumors, uterine tumors resembling sex-cord tumors, 512
Endotoxin(s), limulus amebocyte lysate test in neonates, 1012
Enterobacteriaceae
 Yersinia enterocolitica, facial abscess due to, 1016
 Yersinia pseudotuberculosis infections, clinical and laboratory aspects, 101
Enzyme(s)
 see also Isoenzyme(s)
 analyses, interlaboratory comparison, preliminary studies (CAP survey), 206
 angiotensin-converting, serum, fluorimetric assay for, 416
 branching, deficiency, glycogen-storage disease, type IV, 702
Epithelioid histiocytes, see under Histiocyte(s)
Epithelium, atypia, asbestos workers, pulmonary cytopathology, 815
Equipment, see also Instrument(s)
Error(s), analytic, differentiation from biologic variability in determinations of cholesterol and total lipid concentrations in sera of healthy young men, 935
Erythrocyte(s)
 counts, Haema-Count MK-40 system evaluated, 883
 deformability reduced in megaloblastic anemia, 953
 filtrability, impairment in megaloblastic anemia, 953
 frozen-thawed, resuspended in plasma, neonatal exchange transfusions with, 117
 hemoglobin and, combined reserve system for automated hemoglobinometry, 122
 hemolysis and 0.1 and 1.0% erythrocytes, effects on serum chemistry values, 639
 iron-deficiency anemia and thalassemia minor, routine measurements in diagnosis, 870
 measurements, routine, in diagnosis of iron-deficiency anemia and thalassemia minor, 870
 null types (Philip Levine Award Lecture), 467
 processing for scanning electron microscopy, 760
 quantitation, nephelometric-cyanmethemoglobin manual technic, "single-tube," for erythrocytes and hemoglobin, 122
 rigidity, increased in megaloblastic anemia, 953
Erythrocytosis, hemoglobin Bethesda in Canadian family, 449
Esterase stain, see under Stain(s)
Estimation, statistical implications of rounding in College of American Pathologists Survey (CAP survey), 162
Estriol, urinary, hemagglutination-inhibition test for (abstract), 463
Evaporation, specimen, effects on quality control, 645
Exchange transfusion, see under Transfusion(s)

F

- Facial abscess, see under Abscess(es)
Factor(s)
 antinuclear, test result incongruity with lupus erythematosus cell preparation, 495
 Fletcher, deficiency, effect of increased contact activation time on activated partial thromboplastin time, 479
 platelet, see under Platelet(s)
False-positive results, see under Test(s)
Family studies in hemochromatosis (letters), 155; 156
Farmer's lung, histopathology (abstract), 460
Feces
 blood in, immunologic detection of (abstract), 463

- flora, of newborns, and limulus amebocyte lysate test, 1012
- Ferruginous body(ies), asbestos workers, pulmonary cytology, 815
- Fetoprotein(s), alpha-, serum, liver-cell necrosis and regeneration following experimental injury by galactosamine in rats, prognostic indicator, 847
- Fetus, hamartoma, mesenchymal, cytodifferentiated renal tumors occurring with Wilms' tumors of opposite kidneys, 376
- Fiberoptic bronchoscope, see under Bronchoscope(s)
- Fibrin thrombi, see under Thrombus(i)
- Fibrinogen heterogeneity in cancer, in occlusive vascular disease, and after surgical procedures, 958
- Fibrinolysis
 automated instrument for recording clot lysis, 124
 fibrinogen heterogeneity in cancer, in occlusive vascular disease, and after surgical procedures, 958
- Fibrocystic disease, breast, ultrastructure, 291
- Fibrosis
 cystic, of pancreas, adrenal cortex in, 710
 hepatic lesions of central pericellular in morbid obesity and after jejunoileal bypass, 684
- FIF, see Formaldehyde fume-induced fluorescence
- Fletcher factor, see under Factor(s)
- Fluid
 cerebrospinal, see Cerebrospinal fluid
 vaginal, see Vaginal fluid
- Fluorescence, formaldehyde fume-induced (FIF), biogenic amines in tissue, detection in non-functioning argyrophilic tumor (APUDoma) of hepatic duct, 40
- Fluorescent antibody reactivity, group D streptococci, enhanced by penicillin or lysozyme, 73
- Fluorescent assay, see under Assay(s)
- Focal glomerular obsolescence, see under Glomerulus(i), obsolescence
- Focal glomerular sclerosis, see under Sclerosis, glomerular
- Focal segmental hyalinosis, see under Hyalinosis, segmental
- Focusing, isoelectric, alkaline phosphatase isoenzymes in polyacrylamide gels, use of Triton X-100 and improved staining technic, 929
- Folate(s)
 deficiency, megaloblastic anemia secondary to, erythrocyte deformability reduced in, 953
 serum, microbiologic assay and radioisotope kit methods compared, 746
- Foreskin, human, virus isolations in cell cultures from, 65
- Formaldehyde fume-induced fluorescence (FIF), biogenic amines in tissue, detection in non-functioning argyrophilic tumor (APUDoma) of hepatic duct, 40
- Freeze-preserved erythrocytes, see under Erythrocyte(s), frozen-thawed
- Frozen-thawed erythrocytes, see under Erythrocyte(s)
- Fungus(i)
 Allescheria boydii causing pulmonary infection, 1019
 Alternaria alternata, cutaneous microabscess formation from, 565
- ## G
- Galactosamine, liver-cell necrosis induced by in rats, alpha-fetoprotein a prognostic indicator, 847
- Gammopathy(ies), monoclonal, intranuclear inclusions in plasma cells and lymphocytes from patients with, 10
- Ganglioneuromatosis, alimentary tract in multiple endocrine neoplasia, type 3 (abstract), 461
- Gel(s), polyacrylamide, isoelectric focusing of alkaline phosphatase isoenzymes in, use of Triton X-100 and improved staining technic, 929
- Genetics
 hemochromatosis inheritance (letters), 155; 156
 null types of human erythrocyte blood groups (Philip Levine Award Lecture), 467
- Giant lymph-node hyperplasia, see under Hyperplasia, lymph-node
- Gland(s), salivary, amylase isozyme differentiation in patients with hyperamylasemia, 576
- Glomerular sclerosis, see under Sclerosis
- Glomerulonephritis
 poststreptococcal, acute, sickle-cell disease and, light, electron, and immunofluorescence microscopic findings, 986
 Staphylococcus aureus, antigen and immune complex demonstrated in (letter), 1027
 syphilitic, treponemal antigen in immunopathogenesis (abstract), 457
- Glomerulus(i)
 obsolescence, focal, significance in children who have nephrotic syndrome, 545
 sclerosis, focal significance in children who have nephrotic syndrome, 545
- Glucose, blood, error sources in neonatal blood by glucose oxidase methods, including Dextrostix, 658
- Glycogenosis, type IV, light-microscopic, electron-microscopic, and enzymatic study, 702
- Glycogen-storage disease, type IV, light-microscopic, electron-microscopic, and enzymatic study, 702
- Gram-negative bacteria, see under Bacteria
- Granuloma(s), amebic, probable *Acanthamoeba* meningoencephalitis in Korean child, 723
- Granulomatosis, lymphomatoid, of lung, with history of lymphoepithelial lesions of salivary glands and lymphoid interstitial pneumonitis, 792
- Granulomatous disease, chronic, null types of human

- erythrocyte blood groups (Philip Levine Award Lecture), 467
- Granulosa-cell tumor, see under Tumor(s)
- Group D streptococci, see under Streptococcus(i)
- Gynecomastia
 - male breast, ultrastructure, 291
 - small-cell carcinoma of male mammary gland resembling infiltrating lobular carcinoma, 715

H

- Haema-Count MK-40, see under Counter(s), cell, blood
- Haemophilus, endocarditis caused by in prolapsed mitral valve, 922
- Haemophilus parainfluenzae*, *Haemophilus paraphrophilus* distinction from, 922
- Haemophilus paraphrophilus* endocarditis in prolapsed mitral valve, 922
- Hairy-cell leukemia, see under Leukemia
- Hamartoma(s), mesenchymal, fetal, cytodifferentiated renal tumors occurring with Wilms' tumors of opposite kidneys, 376
- HB_e antigen, see under Antigen(s)
- Heart
 - endocarditis, *Haemophilus paraphrophilus*, in prolapsed mitral valve, 922
 - mitral valve prolapse, *Haemophilus paraphrophilus* endocarditis in, 922
 - myocardial disease, primary, cell-mediated immunity in (abstract), 457
 - myocardial infarction, diagnosis, column chromatographic method for combined analysis of creatine kinase-MB and lactate dehydrogenase 1,2 isoenzymes, 425
 - pancarditis in intestinal lipodystrophy (Whipple's disease), electronmicroscopic demonstration of intracardiac bacillary bodies, 22
- Heavy metals, see under Metal(s)
- Hemagglutination-inhibition test for urinary estriol (abstract), 463
- Hemangiopericytoma(s), intranasal tumors resembling, 672
- Hemangiosarcoma(s), abdominal wall, following irradiation therapy of endometrial carcinoma, 810
- Hematocrit(s)
 - childhood, normal values, 442
 - Haema-Count MK-40 system evaluated, 883
- Hemochromatosis, inheritance (letters), 155; 156
- Hemoglobin(s)
 - abnormal, mapping by horizontal polyacrylamide gel isoelectric focusing, 753
 - erythrocytes and, combined reserve system for automated hemoglobinometry, 122
 - F, isopropanol precipitation test for unstable hemoglobins, effect of hemoglobin F level, 878
 - Haema-Count MK-40 system evaluated, 883
 - hemoglobin^{Bethesda} in Canadian family, 449
 - hemoglobin^{Jackson}, 453
 - hemoglobin Q^{India} and β -thalassemia in Canadian family, 446
 - unstable, isopropanol precipitation test for, accuracy affected by hemoglobin F levels, KCN, and storage, 878
- Hemoglobinometry, automated, reserve system for, 122
- Hemoglobinopathy(ies)
 - hemoglobin^{Bethesda} in Canadian family, 449
 - hemoglobin Q^{India} and β -thalassemia in Canadian family, 446
- Hemolysis
 - effects on serum chemistry values in the presence of 0.1 and 1.0% erythrocytes, 639
 - glucose determinations in neonatal blood by glucose oxidase methods, including Dextrostix, error sources, 658
- Hemolytic disease, hereditary, null types of human erythrocyte blood groups (Philip Levine Award Lecture), 467
- Hemorrhagic disorders, heparin cofactor activity minimal in disseminated intravascular coagulation and cirrhosis, 488
- Hemostasis, tourniquet test in telangiectasia (letters), 615; 615
- Heparin
 - antithrombin activity activated by, depressed in plasmas of patients with disseminated intravascular coagulation and cirrhosis, 488
 - cofactor activity, minimal in disseminated intravascular coagulation and cirrhosis, 488
 - therapy, monitoring, activated coagulation time of whole blood, progress report, 899
 - thrombin time in heparinized plasma (letters), 612; 613
- Hepatic, see Liver
- Hepatitis
 - alcoholic, noncirrhotic chronic, sclerosing hyaline necrosis in, 802
 - alpha-fetoprotein a prognostic indicator of liver-cell necrosis and regeneration following experimental injury by galactosamine in rats, 847
- B
 - antigen, see under Antigen(s)
 - antigen card test III, sensitivity and specificity, 59
 - carcinoma of liver association with in California, changing incidence (abstract), 462
 - fine structure of HB_eAg-bearing hepatocytes (abstract), 462
 - surface antigen, see under Antigen(s)
 - virus, see under Virus(es)
- Hepatobiliary disease, bile acids, immunoreactive glycine-conjugated, in, 831
- Hepatocytes, see under Liver

- Hepatotoxicity, aspirin, ultrastructural changes in, 570
- Hereditary hemolytic disease, see under Hemolytic disease
- Herpesvirus, foreskin, human, cell cultures for isolation from diagnostic specimens, 65
- Heterogeneity, fibrinogen, in cancer, in occlusive vascular disease, and after surgical procedures, 958
- Hippuryl-L-histidyl-L-leucine, in fluorimetric assay for serum angiotensin-converting enzyme, 416
- L-Histidyl-L-leucine, in fluorimetric assay for serum angiotensin-converting enzyme, 416
- Histiocyte(s)
- epithelioid, high content in malignant (Lennert's) lymphoma, 1
 - PAS-positive, pancarditis in intestinal lipodystrophy (Whipple's disease), 22
- Histochemistry, Hodgkin's disease splenic lesions, 976
- Histogenesis, Hodgkin's disease splenic lesions, 976
- Histology, cervical carcinomas classified, 775
- Histoplasmosis, primary complex in (letter), 928
- Hodgkin's disease
- bone marrow benign lesions associated with (abstract), 458
 - Lennert's lymphoma with high content of epithelioid histiocytes, 1
 - Negroes, American, histologic classification in untreated patients, and age distribution, 537
 - Rye classification applied to 143 previously untreated American Negro patients, 537
 - splenic lesions, histogenesis, 976
- Homograft(s), renal, human, anti-kidney cytotoxic antibodies in, 395
- Hospital surveillance, *Serratia marcescens* isolated from clinical specimens, methods for differentiating compared, 96
- Human foreskin, see under Foreskin
- Hyalin, alcoholic, sclerosing hyaline necrosis in noncirrhotic chronic alcoholic hepatitis, 802
- Hyaline necrosis, see under Necrosis
- Hyalinosis, segmental, focal, and/or sclerosis, significance in children who have nephrotic syndrome, 545
- Hyperamylasemia, amylase isozyme differentiation in patients with, evaluation of usefulness, 576
- Hypercalcemia, Kaposi's sarcoma, primary, of lymph nodes, 998
- Hyperplasia
- adrenal medullary, in multiple endocrine neoplasia, type 2, 279
 - lymph-node, giant, plasma-cell type, of mediastinum, with peripheral neuropathy, 46
- I**
- Idiopathic nephrotic syndrome, see under Nephrotic syndrome
- Immune markers in adult acute leukemia, 111
- Immunity, cell-mediated, in primary myocardial disease (abstract), 457
- Immunoassay(s), radial, feces, blood detected in (abstract), 463
- Immunoblastic lymphadenopathy, see under Lymphadenopathy
- Immunodiffusion, coccidioidal latex-agglutination test, false-positive reactions of cerebrospinal fluid and diluted sera, 916
- Immunofluorescence
- anti-HB_e in hepatic disease, 731
 - drug detection in human central nervous system (abstract), 458
 - glomerulonephritis due to *Staphylococcus aureus*, antigen and immune complex demonstrated in (letter), 1027
 - substrates for detection of antinuclear antibodies, mouse liver sections and cultured mouse fibroblasts compared, 892
- Immunogenetics, null types of human erythrocyte blood groups (Philip Levine Award Lecture), 467
- Immunoglobulin(s), surface, angioimmunoblastic lymphadenopathy with dysproteinemia, immunohistologic and ultrastructural studies, 551
- Immunopathology, ABH isoantigens in cervical intraepithelial neoplasia, 767
- Immunoperoxidase technic for paraffin-embedded tissues (abstract), 457
- Inclusion(s)
- intranuclear
 - in lymphocytes in monoclonal gammopathies, 10
 - in plasma cells in monoclonal gammopathies, 10
- Infants,
- see also under Pediatrics
 - newborn, limulus amebocyte lysate test in, 1012
- Infarction, myocardial, diagnosis, column chromatographic method for combined analysis of creatine kinase-MB and lactate dehydrogenase 1,2 isoenzymes, 425
- Infection(s)
- see also specific pathogens
 - Alternaria*, cutaneous microabscess formation from, 565
 - bacterial, acute, nitroblue tetrazolium test, leukocyte, modified in, 905
 - disseminated intravascular coagulation, clinically unsuspected, autopsy survey, 31
 - pulmonary, *Allescheria boydii*, 1019
 - urinary-tract, electrochemical method for detection, 91
- Infiltrating lobular carcinoma, see under Carcinoma(s), lobular
- Inflammation, postoperative monitoring, acute-phase protein quantitation in, 840
- Inflammatory response, acute-phase protein quantitation postoperatively, 840
- Inheritance, see under Genetics

- Injury(ies), liver, alpha-fetoprotein a prognostic indicator of cell necrosis and regeneration following experimental injury by galactosamine in rats, 847
- Instrument(s)
- automated
 - clot lysis recording, 124
 - Coulter chemistry unit evaluated, 144
 - evaluation
 - Coulter chemistry unit, 144
 - Coulter counter electronic platelet counts, correction factor reassessed, 506
 - Haema-Count MK-40 blood counting system, 883
 - spectrometers, atomic absorption, serum calcium measurements with respect to five models using NBS-AACC calcium reference method and isotope-dilution mass spectrometry as definitive method, 619
- Intestine(s)
- bacteria, transmigration, postmortem, demonstrated, 911
 - lipodystrophy (Whipple's disease), pancarditis in, electronmicroscopic demonstration of intracardiac bacillary bodies, 22
 - myiasis, true and pseudo-, in man, 786
- Intraepithelial neoplasia, see under Neoplasia(s)
- Intranuclear inclusions, see under Inclusion(s); Nucleus(i)
- Intravascular coagulation, see under Coagulation
- Intravascular thrombi, see under Thrombus (i)
- Intrinsic coagulation mechanism, see under Coagulation
- Iron, deficiency, erythrocyte measurements, routine, in diagnosis, 870
- Iron-binding capacity
- latent, College of American Pathologists Comprehensive Chemistry Survey bonus option (CAP survey), 244
 - total, College of American Pathologists Comprehensive Chemistry Survey bonus option (CAP survey), 244
 - unsaturated, College of American Pathologists Comprehensive Chemistry Survey bonus option (CAP survey), 244
- Iron-deficiency anemia, see under Anemia(s)
- Irradiation
- see also Radiation
 - hemangiosarcoma of abdominal wall following irradiation therapy of endometrial carcinoma, 810
- Isoamylase(s), see under Amylase(s)
- Isoantigens
- A, B, and H(O), in endometrium and brain, immunocytologic losses, 390
 - ABH, in cervical neoplasia, intraepithelial, 767
- Isoelectric focusing
- alkaline phosphatase isoenzymes in polyacrylamide gels, use of Triton X-100 and improved staining technic, 929
 - polyacrylamide gel, in mapping of abnormal hemoglobins, 753
- Isoenzyme(s)
- alkaline phosphatase, isoelectric focusing in polyacrylamide gels, use of Triton X-100 and improved staining technic, 929
 - creatinine kinase-MB and lactate dehydrogenase 1,2, column chromatographic method for combined analysis, 425
 - lactate dehydrogenase 1,2 and creatine kinase-MB, column chromatographic method for combined analysis, 425
- Isolations, virus, see under Virus(es)
- Isopropanol precipitation test for unstable hemoglobins, accuracy affected by hemoglobin F levels, KCN, and storage, 878
- Isotope-dilution mass spectrometry, see under Spectrometry, mass
- Isozyme(s), amylase, differentiation in patients with hyperamylasemia, evaluation of usefulness, 576
- J**
- Jejunioileal bypass, see under Bypass
- K**
- Kaposi's sarcoma, see under Sarcoma(s)
- Keflex, see Cephalexin monohydrate
- Kidney(s)
- allografts
 - anti-kidney cytotoxic antibodies in, 395
 - rejection, acute, cyto centrifuge in diagnosis (abstract), 463
 - glomerular sclerosis, focal, significance in children who have nephrotic syndrome, 545
 - glomerulonephritis
 - poststreptococcal acute, sickle-cell disease and, light, electron, and immunofluorescence microscopic findings, 986
 - Staphylococcus aureus*, antigen and immune complex demonstrated in (letter), 1027
 - tumors, differentiated, occurring with Wilms' tumors of opposite kidneys, 376
- Kit(s)
- chemistry, clinical, in College of American Pathologists Survey (CAP survey), 223
 - digoxin, three years' experience in interlaboratory testing (CAP survey), 234
 - serum folates, radioisotope methods, microbiologic assay compared with, 746
 - triiodothyronine (T3), radioimmunoassay limitations with three separation procedures (abstract), 464
- L**
- Laboratory(ies)
- clinical
 - management, worksheet summary system for, 132

- surveys, enzyme analyses, preliminary studies (CAP survey), 206
- diagnosis, see under Diagnosis
- diagnostic, foreskin, human, in cell cultures for virus isolations, 65
- interlaboratory comparisons, enzyme analyses, preliminary studies (CAP survey), 206
- intralaboratory comparisons, enzyme analyses, preliminary studies (CAP survey), 206
- management, worksheet summary system for, 132
- proficiency testing, interlaboratory, standards for (CAP survey), 276
- records, worksheet summary system for clinical laboratory management, 132
- Lactate dehydrogenase, 1,2, column chromatographic analysis method combined with analysis of creatine kinase-MB, 425
- Laser nephelometry, manual, to quantitate serum proteins (abstract), 464
- Latent iron-binding capacity, see under Iron-binding capacity
- Latex test, systemic lupus erythematosus, 743
- Latex-particle agglutination test, coccidioidal, false-positive reactions of cerebrospinal fluid and diluted sera, 916
- LDH, see Lactate dehydrogenase
- LE, see Lupus erythematosus
- Lennert's lymphoma, see under Lymphoma(s)
- Leukemia
 - acute, adult, immune markers in, 111
 - hair-cell, study of hairy cells, emphasizing enzymatic markers, 432
- Leukemic reticuloendotheliosis, see under Reticuloendotheliosis
- Leukocyte(s)
 - antibodies, transfusion reaction with pulmonary infiltration associated with HL-A-specific, 483
 - counts, Haema-Count MK-40 system evaluated, 883
 - nitroblue tetrazolium test, modified in acute bacterial infection, 905
 - polymorphonuclear, nitroblue tetrazolium test, modified in acute bacterial infection, 905
- Limulus amoebocyte lysate test in neonates, 1012
- Lipid(s), total, serum, variations in healthy young men, differentiating analytic error from biologic variability, 935
- Lipodystrophy, intestinal (Whipple's disease), pancreatitis in, electronmicroscopic demonstration of intracardiac bacillary bodies, 22
- Liver
 - see also Cirrhosis; Hepatitis
 - alpha-fetoprotein a prognostic indicator of cell necrosis and regeneration following experimental injury by galactosamine in rats, 847
 - aspirin hepatotoxicity, ultrastructural changes in, 570
 - bile duct, nonfunctioning argyrophilic tumor (APUDoma), methods to detect biogenic amines in tissue, 40
- carcinoma, hepatitis B association with in California, changing incidence (abstract), 462
- disease
 - anti-HB_e, significance, immunohistochemical study of blood and hepatic tissue, 731
 - bile acids, immunoreactive glycine-conjugated, in health and hepatobiliary disease, 831
 - central pericellular fibrosis in morbid obesity and after jejunioleal bypass, 684
 - fibrosis, central pericellular in morbid obesity and after jejunioleal bypass, 684
 - function test, bile acids, immunoreactive glycine-conjugated, in health and hepatobiliary disease, 831
- hepatocytes, HB_eAg-bearing, fine structure (abstract), 462
- injury, alpha-fetoprotein a prognostic indicator of cell necrosis and regeneration following experimental injury by galactosamine in rats, 847
- sclerosing hyaline necrosis in noncirrhotic chronic alcoholic hepatitis, 802
- tissue, hepatitis B surface antigen detected in specimens from serologically HB_eAg-negative patients by immunohistochemical method (abstract), 461
- ultrastructure, aspirin hepatotoxicity alterations of, 570
- Lobular carcinoma, see under Carcinoma(s)
- Logit-log transformation, quality control program for radioimmunoassay laboratory, 854
- Lung(s)
 - biopsies, transbronchial (abstract), 460
 - farmer's, histopathology (abstract), 460
 - infection with *Allescheria boydii*, 1019
 - lymphoma, with history of lymphoepithelial lesions of salivary glands and lymphoid interstitial pneumonitis, 792
- Lupus erythematosus
 - cell preparation, antinuclear factor test result incongruity with, 495
 - pseudo-LE cell, antinuclear factor test result incongruity with lupus erythematosus cell preparation, 495
 - systemic
 - antinuclear factor test result incongruity with lupus erythematosus cell preparation, 495
 - latex test, 743
 - nucleoprotein-coated latex particles in serologic diagnosis, 743
- Lymph nodes
 - angioimmunoblastic lymphadenopathy with dysproteinemia, immunohistologic and ultrastructural studies, 551
 - hyperplasia, giant, plasma-cell type, of mediastinum, with peripheral neuropathy, 46
 - Kaposi's sarcoma, primary, 998

- Lymphadenopathy
 angiimmunoblastic, with dysproteinemia, immuno-
 histologic and ultrastructural studies, 551
 immunoblastic, malignant (Lennert's) lymphoma
 with high content of epithelioid histiocytes, 1
- Lymphocyte(s)
 culture, hairy cells studied, emphasizing surface
 markers, 432
 intranuclear inclusions in monoclonal gammo-
 pathies, 10
- Lymphoepithelial lesions of salivary glands, lympho-
matoid granulomatosis of lung with, 792
- Lymphoid interstitial pneumonitis, see under Pneu-
monitis
- Lymphoma(s)
 bone marrow histology, aspiration versus biopsy
 (letters), 617; 618
 Lennert's, with high content of epithelioid histio-
 cytes, 1
 malignant, Lennert's, with high content of epithe-
 lioid histiocytes, 1
 pulmonary, with history of lymphoepithelial lesions
 of salivary glands and lymphoid interstitial
 pneumonitis, 792
- Lymphomatoid granulomatosis, see under Granu-
lomatosis
- Lysis, clot, automatic recording of, instrument for,
124
- Lysozyme, streptococci, group D, immunofluorescent
and precipitin reactivity responses to, 73
- M**
- Malaria, resistance to, null types of human erythro-
cyte blood groups (Philip Levine Award Lec-
ture), 467
- Male mammary gland, see under Breast, mammary
gland
- Malignant lymphoma, see under Lymphoma(s)
- Mammary, see Breast
- Mammary gland, see under Breast
- Marker(s),
 cell surface, hairy cells, 432
 immune, in adult acute leukemia, 111
- Marrow, see under Bone(s)
- Mean values of duplicate specimens in College of
American Pathologists chemistry survey pro-
gram compared (CAP survey), 184
- Mediastinum, lymph-node hyperplasia, giant, 46
- Medullary thyroid carcinoma, see under Carcinoma(s),
thyroid
- Megaloblastic anemia, see under Anemia(s)
- Melanoma(s), ovarian, probable origin related to com-
pound nevus in benign cystic teratoma, 54
- Meningoencephalitis
 amebic, probable *Acanthamoeba*, in Korean child,
 723
 probable *Acanthamoeba*, in Korean child, 723
- Mesenchymal hamartoma, see under Hamartoma(s)
- Mesenteric adenitis, see under Adenitis
- Mesoblastic nephroma, see under Nephroma(s)
- Metal(s), heavy, effects on human platelet function
and ultrastructure (abstract), 459
- Microbioassay(s), folates, serum, compared with radio-
isotope kit methods, 746
- Microbiologic assay, see also under Assay(s)
- Microbiology
 see also Bacteriology
 proficiency testing
 regional quality control program, administrative
 aspects, 401
 regional quality control program, simulated clini-
 cal specimens, advantages, 407
 records, computer system (abstract), 465
- Microscopy
 electron
 see also Ultrastructure
 bacillary bodies, intracardiac, in intestinal lipo-
 dystrophy (Whipple's disease), 22
 breast, normal and abnormal, 291
 scanning, angiimmunoblastic lymphadenopathy
 with dysproteinemia, 551
 scanning, erythrocyte processing for, 760
- Minimal-lesion nephrotic syndrome, see under
Nephrotic syndrome
- Mitral valve prolapse, *Haemophilus paraphrophilus*
endocarditis in, 922
- Mixed-cell agglutination reaction, isoantigens A, B,
and H(O), immunocytologic losses from endo-
metrium and brain demonstrated by, 390
- Monitoring
 heparin therapy, activated coagulation time of whole
 blood, progress report, 899
 postoperative, of inflammation, acute-phase protein
 quantitation in, 840
- Monoclonal gammopathies, see under Gammo-
pathy(ies)
- Monte Carlo simulations, evaluation of statistical
procedures designed to detect outliers resulting
from light contamination in random samples of
moderate size (CAP survey), 167
- Morbid obesity, see under Obesity
- Morphology, bone marrow, aspiration versus biopsy
(letters), 617; 618
- Mouse neutralization test, botulinum toxin, method for
removing interfering substances from clinical
specimens, 737
- Multiple endocrine neoplasia, see under Neoplasia,
endocrine
- Multiplier(s), transfer-of-technology, calcium meas-
urements with respect to five models of atomic
absorption spectrometers, 619
- Mumps, amylase isozyme differentiation, evaluation
of usefulness, 576
- Myasthenia gravis, botulism misdiagnosed as, pyridos-
tigmine treatment of patient resulting in, 737

- Mycobacteria, College of American Pathologists Surveys, 1973 (CAP survey), 255
- Myelitis, subacute myelo-optico-neuropathy following pneumonitis, serologic confirmation 3½ years after death, 531
- Myelo-optico-neuropathy, subacute, following pneumonitis, serologic confirmation 3½ years after death, 531
- Myelophthisis, oxalosis unusual cause in childhood, 991
- Myiasis, enteric, pseudomyiasis and true intestinal myiasis in man, 786
- Myocardial, see under Heart
- Myocarditis in intestinal lipodystrophy (Whipple's disease), electronmicroscopic demonstration of intracardiac bacillary bodies, 22
- Myxoid spindle-cell variant, see under Rhabdomyosarcoma(s)

N

- α-Naphthyl acetate, reduction of health risks in preparation of nonspecific esterase stain (letter), 766
- Nasal cavity, hemangiopericytoma-like tumors, 672
- NBT, see Nitroblue tetrazolium
- Necropsy(ies)
see also Autopsy(ies)
disseminated intravascular coagulation, clinically unsuspected, survey, 31
- Necrosis, hyaline, sclerosing, in noncirrhotic chronic alcoholic hepatitis, 802
- Negroes, American, Hodgkin's disease in, histologic classification and age distribution, 537
- Neisseria gonorrhoeae*, antibiotic susceptibility, trimethoprim-sulfamethoxazole, regression-line analysis, 605
- Neonate(s)
see also Infant(s); Newborn(s)
exchange transfusions using frozen-stored erythrocytes resuspended in plasma, 117
- Neoplasia(s)
endocrine, multiple
type 2, adrenal medullary disease in, 279
type 3, ganglioneuromatosis of alimentary tract in (abstract), 461
intraepithelial, cervical, ABH isoantigens in, 767
- Nephelometric erythrocyte quantitation, see under Erythrocyte(s), quantitation
- Nephelometry, laser, manual, to quantitate serum proteins (abstract), 464
- Nephritis
radiation, cytodifferentiated renal tumor occurring with Wilms' tumor of opposite kidney, 376
sickle-cell disease and poststreptococcal acute glomerulonephritis, light, electron, and immunofluorescence microscopic findings, 986
- Nephroma(s), mesoblastic, congenital, cytodifferentiated renal tumors occurring with Wilms' tumors of the opposite kidneys, 376
- Nephrotic syndrome
idiopathic, of childhood, significance of focal glomerular sclerosis in, 545
minimal-lesion, significance of focal glomerular sclerosis in children who have, 545
- Neuropathy, peripheral, giant lymph-node hyperplasia, plasma-cell type, with, 46
- Neutralization test, mouse, botulinal toxin, method for removing interfering substances from clinical specimens, 737
- Nevus(i), compound, in benign cystic teratoma of ovary, 54
- Newborn(s)
see also Infant(s); Neonate(s)
freeze-preserved erythrocytes in exchange transfusions, 117
- Nitroblue tetrazolium test, leukocyte, modified in acute bacterial infection, 905
- Node(s), lymph, see under Lymph
- Nonspecific esterase stain, see under Stain(s), esterase
- Normal values, SI units and I.U., serum acid phosphatase conversion factors (letters), 610; 610
- Nose, nasal cavity, hemangiopericytoma-like tumors, 672
- Nucleus(i), inclusions, intranuclear, in plasma cells and lymphocytes of patients with monoclonal gammopathies, 10
- Null types of human erythrocyte blood groups (Philip Levine Award Lecture), 467

O

- Obesity, morbid, hepatic lesions of central pericellular fibrosis in, before and after jejunoileal bypass, 684
- Organism(s), preservation of fastidious in stock cultures, 927
- Orthovoltage, hemangiosarcoma of abdominal wall following irradiation therapy of endometrial carcinoma, 810
- Osteoid, osteomalacia, histologic diagnosis (letter), 1025
- Osteomalacia, histologic diagnosis (letter), 1025
- Outliers, resulting from light contamination in random samples of moderate size, evaluation of statistical procedures designed to detect (CAP survey), 167
- Ovary(ies)
amylase isozyme differentiation in neoplasias, 576
melanoma, probable origin related to compound nevus in benign cystic teratoma, 54
teratoma, benign cystic, compound nevus in, 54
- Oxalosis, unusual cause of myelophthisis in childhood, 991

P

- Pancarditis in intestinal lipodystrophy (Whipple's disease), electronmicroscopic demonstration of intracardiac bacillary bodies, 22
- Pancreas
amylase isozyme differentiation in pancreatitis, 576
cystic fibrosis, adrenal cortex in, 710
- Pancreatitis, amylase isozyme differentiation in, 576
- Papillary cystadenocarcinoma, see under Cystadenocarcinoma(s)
- Paraffin-embedded tissues, immunoperoxidase technic for (abstract), 457
- Pararosaniline, reduction of health risks in preparation of nonspecific esterase stain (letter), 766
- Parasite(s)
myiasis, true and pseudo-, in man, 786
Spirometra, sparganosis in United States, 560
- Parathormone, in Kaposi's sarcoma of lymph nodes, primary, 998
- Partial maturation series, rhabdomyosarcoma in children, 692
- Partial thromboplastin time, see under Thromboplastin time
- PAS-positive histiocytes, see under Histiocyte(s)
- Pathology, rhabdomyosarcoma in children, 692
- Pediatrics
hematocrits, normal, in preadolescent children, 442
infants, sudden-infant-death syndrome, brain-stem and adrenal abnormalities in, 526
nephrotic syndrome, significance of focal glomerular sclerosis in, 545
rhabdomyosarcoma, clinicopathologic study, 692
- Penicillin, streptococci, group D, immunofluorescent and precipitin reactivity responses to, 73
- Peptide(s), hemoglobin^{Jackson}, 453
- Performance evaluation, interlaboratory survey of enzyme analyses in College of American Pathologists Survey Program, preliminary studies (CAP survey), 206
- Pericarditis in intestinal lipodystrophy (Whipple's disease), electronmicroscopic demonstration of intracardiac bacillary bodies, 22
- Peripheral neuropathy, see under Neuropathy
- Pernicious anemia, see under Anemia(s)
- Phagocytosis, hairy cells, 432
- Phenylphosphate, prostatic acid phosphatase determination in assessment of vaginal fluid of alleged rape victims, 944
- Pheochromocytoma(s), adrenal medullary disease in multiple endocrine neoplasia, type 2, 279
- Phosphatase(s)
acid
bone marrow, diagnostic use in detecting osseous metastases, 667
prostatic, quantitative assessment in vaginal fluid of alleged rape victims, 944
serum, normal values and conversion factors to I.U. and SI units (letters), 610: 610
- alkaline
bone marrow, diagnostic use in detecting osseous metastases, 667
isoenzymes, isoelectric focusing in polyacrylamide gels, use of Triton X-100 and improved staining technic, 929
- o-Phthaldialdehyde, in fluorimetric assay for serum angiotensin-converting enzyme, 416
- Plasma
cells, intranuclear inclusions in monoclonal gammopathies, 10
corticoids, simultaneous determination of aldosterone, corticosterone, 11-deoxycorticosterone, 18-hydroxydeoxycorticosterone, cortisol, and 11-deoxycortisol, methods and applications, 588
- Platelet(s)
cardiopulmonary bypass effects on (abstract), 459
counts, electronic with Coulter counter, reassessment of a correction factor, 506
factor 3 assay, anti-platelet antibody determination by, 475
heavy metal effects on function and ultrastructure (abstract), 459
lysis test, anti-platelet antibody determination by platelet factor 3 assay correlated with, 475
thrombosthenin sites of activity in (abstract), 460
- Plexiform tumor, see under Tumor(s)
- Pneumonia, pneumococcal, fatality while on cephalixin monohydrate due to blood levels less than MIC (abstract), 465
- Pneumonitis
Allescheria boydii causing, 1019
farmer's lung, histopathology (abstract), 460
lymphoid interstitial, lymphoid granulomatosis of lung with, 792
subacute myelo-optico-neuropathy following, serologic confirmation 3½ years after death, 531
- Polyacrylamide gel(s)
see also under Gel(s)
isoelectric focusing, mapping of abnormal hemoglobins by, 753
- Polymorphonuclear leukocytes, see under Leukocyte(s)
- Postmortem bacteriology, transmigration, bacterial, demonstration *in vitro* of postmortem, 911
- Postmortem serology, subacute myelo-optico-neuropathy confirmed by 3½ years after death, 531
- Postoperative monitoring, see under Monitoring
- Poststreptococcal glomerulonephritis, see under Glomerulonephritis
- Posture, prior to venipuncture, resulting in variations of cholesterol and total lipid concentrations in sera of healthy young men, 935

Potassium cyanide, isopropanol precipitation test for unstable hemoglobins, KCN effect on, 878

Precipitin
 reactivity, group D streptococci, lysozyme and penicillin effects on, 73
 test, coccidioidal latex-agglutination test, false-positive reactions of cerebrospinal fluid and diluted sera, 916

Precision
 clinical chemistry, analyte and analyte concentration effect on (CAP survey), 193
 regional quality control programs, role in practice of laboratory medicine in United States (CAP survey), 268

Preservation, organisms, fastidious, in stock cultures, 927

Primary mammary carcinoma, see under Carcinoma(s), mammary

Proficiency
 evaluation, enzyme analyses, interlaboratory survey, preliminary studies (CAP survey), 206

testing
 blood bank survey program, comprehensive, of College of American Pathologists, 1974 (CAP survey), 248
 digoxin kits, three years' experience in interlaboratory testing (CAP survey), 234
 interlaboratory, standards for (CAP survey), 276
 microbiology, regional quality control program, administrative aspects, 401
 microbiology, regional quality control program, simulated clinical specimens, advantages, 407

Prostaglandin(s), in Kaposi's sarcoma of lymph nodes, primary, 998

Prostate, adenocarcinoma, bone marrow acid and alkaline phosphatase in detection of osseous metastases, 667

Prostatic acid phosphatase, see under Phosphatase(s), acid

Protein(s)
 see also Fetoprotein(s)
 acute-phase, quantitation postoperatively in monitoring complications, 840
 C-reactive, quantitation of acute-phase proteins postoperatively in monitoring complications, 840
 serum, laser nephelometry, manual, to quantitate (abstract), 464

Pseudo-LE cell, see under Lupus erythematosus

Pseudomonas aeruginosa, quantitative study of multiplication in vented and unvented blood-culture bottles, 80

PTT, see Thromboplastin time, partial

Pulmonary, see Lung(s)

Pulmonary edema, see under Edema

Pyridostigmine treatment of patient complicating laboratory diagnosis of botulism, method for

selectively removing interfering substances from clinical specimens, 737

Q

Quality control
 microbiology
 regional program, administrative aspects, 401
 regional program, simulated clinical specimens, advantages, 407
 radioimmunoassay laboratory, 854
 regional, role in practice of laboratory medicine in United States (CAP survey), 268
 specimen evaporation effects on, 645

Quantitative prostatic acid phosphatase determination in vaginal fluid of alleged rape victims, 944

R

Radial immunoassay, see under Immunoassay(s)

Radiation
 see also Irradiation; Orthovoltage
 nephritis, cytodifferentiated renal tumor occurring with Wilms' tumor of opposite kidney, 376
 rhabdomyosarcoma in children, 692
 treatment, primary mammary carcinoma, results (letters), 152; 154

Radioassay(s), serum folates, compared with microbiologic assay, 746

Radioimmunoassay(s)
 aminoglycoside antibiotics, radioiodination of (abstract), 465
 bile acids, immunoreactive glycine-conjugated, 831
 corticoids, plasma, simultaneous determination of aldosterone, corticosterone, 11-deoxycorticosterone, 18-hydroxydeoxycorticosterone, cortisol, and 11-deoxycortisol, 588
 digoxin kits, three years' experience in interlaboratory testing (CAP survey), 234
 quality control program for laboratories, 854
 triiodothyronine (T3) kits, limitations with three separation procedures (abstract), 464

Radioisotopic assay, see under Assay(s)

Rape(s), alleged, prostatic acid phosphatase in assessment of vaginal fluid of victims, 944

Receptor(s), complement, angioimmunoblastic lymphadenopathy with dysproteinemia, immunohistologic and ultrastructural studies, 551

Records
 laboratory, worksheet summary system for clinical laboratory management, 132
 microbiology, computer system (abstract), 465

Red blood cells, see Erythrocyte(s)

Reference method, calcium, NBS-AACC, in comparison of serum calcium measurements with five models of atomic absorption spectrometers, 619

- Regeneration, liver, alpha-fetoprotein a prognostic indicator following experimental injury by galactosamine in rats, 847
- Regression, weighted, quality control program for radioimmunoassay laboratory, 854
- Regression-line analysis, trimethoprim-sulfamethoxazole activity against *Neisseria gonorrhoeae*, 605
- Renal, see Kidney
- Reserve system for automated hemoglobinometry, 122
- Resident(s), videotape examination and review of performance (abstract), 466
- Reticulocyte(s), definition (CAP survey), 262
- Reticuloendotheliosis, leukemic, hairy cells studied, emphasizing enzymatic markers, 432
- Rhabdomyoblast(s), moderately well-differentiated, in children, 692
- Rhabdomyosarcoma(s)
- alveolar, in children, 692
 - in children, clinicopathologic study, 692
 - myxoid spindle-cell variant, in children, 692
 - partial maturation series, 692
- Rheumatic fever, aspirin hepatotoxicity, ultrastructural changes in, 570
- RIA, see Radioimmunoassay(s)
- Rounding of measurements, statistical implications of in College of American Pathologists Survey (CAP survey), 162
- Rye classification, Hodgkin's disease, applied to 143 previously untreated American Negro patients, 537
- S**
- Salicylate(s), aspirin hepatotoxicity ultrastructural changes in, 570
- Salivary glands, see under Gland(s)
- Salmonella, agglutination with O antisera after exposure to antibiotics, 1004
- Salt balance, cystic fibrosis of pancreas, 710
- Sarcoidosis, serum angiotensin-converting enzyme in, fluorimetric assay for, 416
- Sarcoma(s)
- hemangiosarcoma of abdominal wall, radiation-induced, 810
 - Kaposi's, primary, of lymph nodes, 998
- Scanning electron microscopy, see under Microscopy, electron
- Sclerosing hyaline necrosis, see under Necrosis, hyaline
- Sclerosis, glomerular, focal, significance in children who have nephrotic syndrome, 545
- Screening, emergency, barbiturates, ultraviolet spectrophotometric analysis, 823
- Segmental hyalinosis, see under Hyalinosis
- Semen, prostatic acid phosphatase in assessment of vaginal fluid of alleged rape victims, 944
- Septicemia
- disseminated intravascular coagulation, clinically unsuspected, autopsy survey, 31
 - neonatal, limulus amebocyte lysate tests in, 1012
- Serology, postmortem, subacute myelo-optic-neuropathy confirmed by 3½ years after death, 531
- Serotyping, *Serratia marcescens* isolated from clinical specimens, methods for differentiating compared, 96
- Serratia marcescens* isolated from clinical specimens, methods for differentiating compared, 96
- Sertoli-cell tumor, see under Tumor(s)
- Serum(a)
- see also specific components and determinations
 - acid phosphatase, see under Phosphatase(s), acid albumin (CAP survey), 238
 - angiotensin-converting enzyme, fluorimetric assay for, 416
 - calcium, ionic, measurement in general hospital population evaluated, 634
 - chemistry
 - changes in values as result of prolonged contact with the clot, 598
 - hemolysis and 0.1 and 1.0% erythrocytes effects on, 639 - cholesterol, variations in healthy young men, differentiating analytic error from biologic variability, 935
 - corcioidial latex-agglutination test, false-positive reactions with diluted sera, 916
 - evaporation effects on quality control, 645
 - folates, microbiologic assay and radioisotope kit methods compared, 746
 - iron-binding capacity, College of American Pathologists Comprehensive Chemistry Survey bonus option (CAP survey), 244
 - lipids, total, variations in healthy young men, differentiating analytic error from biologic variability, 935
 - matrix, calcium measurements with respect to five models of atomic absorption spectrometers, 619
 - proteins, laser nephelometry, manual, to quantitate (abstract), 464
 - separator tube as intermediate storage device within laboratory, 653
 - storage
 - separator tube as intermediate storage device within laboratory, 653
 - short-term, serum separator tube as intermediate storage device within laboratory, 653
- Sex-cord tumors, ovarian, uterine tumors resembling, 512
- Sheppard's corrections, statistical implications of rounding in College of American Pathologists Survey (CAP survey), 162

- Short-term storage of serum, see under Serum(a), storage
- SI units, serum acid phosphatase, normal values and conversion factors to I.U. and SI units (letters), 610; 610
- Sickle-cell disease and poststreptococcal acute glomerulonephritis, light, electron, and immunofluorescence microscopic findings, 986
- SIDS, see Sudden-infant-death syndrome
- Silicious earth, activation with, activated coagulation time of whole blood, 899
- Simulated specimens, see under Specimen(s)
- Sjögren's syndrome, lymphomatoid granulomatosis of lung associated with history of lympho-epithelial lesions of salivary glands and lymphoid interstitial pneumonitis, 792
- SLE, see Lupus erythematosus, systemic
- Small-cell carcinoma, see under Carcinoma(s)
- SMON, see Myelo-optico-neuropathy, subacute
- Sparganosis, case in United States, 560
- Specimen(s)
- blind
 - simulated clinical, microbiology regional quality control program, administrative aspects, 401
 - simulated clinical, microbiology regional quality control program, advantages, 407
 - evaporation, effects on quality control, 645
 - serum separator tube as intermediate storage device within laboratory, 653
 - simulated clinical
 - microbiology regional quality control program, administrative aspects, 401
 - microbiology regional quality control program, advantages, 407
 - survey, design of, interlaboratory survey of enzyme analyses, preliminary studies (CAP survey), 206
- tissue
- paraffin-embedded, immunoperoxidase technic for (abstract), 457
 - vitamin B₁₂ radioisotopic assay, 863
- Spectrometer(s), atomic absorption, calcium, serum, measurements with respect to five models using NBS-AACC calcium reference method and isotope-dilution mass spectrometry as definitive method, 619
- Spectrometry, mass, isotope-dilution, definitive method in comparison of serum calcium measurements with five models of atomic absorption spectrometers, 619
- Spectrophotometric analysis, ultraviolet, of barbiturates, 823
- Spermatozoa, prostatic acid phosphatase determination and, compared in assessment of vaginal fluid of alleged rape victims, 944
- Spirometra, sparganosis, case in United States, 560
- Spleen, Hodgkin's disease lesions, histogenesis, 976
- Sputum, asbestos workers, cytopathology, 815
- Squamous carcinoma, see under Carcinoma(s)
- Stain(s)
- Congo red, amyloid "natural" green birefringence (letters), 1028; 1029
 - esterase, nonspecific, reduction of health risks in preparation (letter), 766
 - isoelectric focusing of alkaline phosphatase isoenzymes in polyacrylamide gels, 929
- Standards, College of American Pathologists, for interlaboratory (proficiency) testing (CAP survey), 276
- Staphylococcus(i), glomerulonephritis caused by, antigen and immune complex demonstrated in (letter), 1027
- Statistics
- outliers resulting from light contamination in random samples of moderate size, evaluation of statistical procedures designed to detect (CAP survey), 167
 - rounding in College of American Pathologists Survey (CAP survey), 162
- Steroid(s), simultaneous determination of plasma corticoids, 588
- Stock cultures, see under Culture(s)
- Stool, see Feces
- Storage, serum, see under Serum(a)
- Streptococcus(i)
- group D
 - lysozyme effects on immunofluorescent and precipitin reactivity, 73
 - penicillin effects on immunofluorescent and precipitin reactivity, 73
- Stromal tumors, see under Tumor(s)
- Subacute myelo-optico-neuropathy following pneumonitis, serologic confirmation 3½ years after death, 531
- Substrate(s), antinuclear antibody detection, mouse liver sections and cultured mouse fibroblasts compared, 892
- Sudden-infant-death syndrome, brain-stem and adrenal abnormalities in, 526
- Summary, worksheet, system for clinical laboratory management, 132
- Surface immunoglobulin, see under Immunoglobulin(s)
- Surgery, rhabdomyosarcoma in children, 692
- Surveillance, *Serratia marcescens* isolated from clinical specimens, methods for differentiating compared, 96
- Survey(s)
- chemistry, College of American Pathologists, comparison of participant mean values of duplicate specimens (CAP survey), 184
 - College of American Pathologists, reticulocyte definition (CAP survey), 262
 - enzyme analyses, preliminary studies (CAP survey), 206
- Syphilitic glomerulonephritis, see under Glomerulonephritis
- Systemic lupus erythematosus, see under Lupus erythematosus

T

- T3, see Triiodothyronine
- Tapeworm(s), sparganosis, case in United States, 560
- Telangiectasia, tourniquet test in (letters), 615; 615
- Teratoma(s)
- cystic, benign, of ovary, compound nevus in, 54
 - ovarian, cystic, benign, compound nevus in, 54
- Test(s)
- antibiotic susceptibility, *Neisseria gonorrhoeae* to trimethoprim-sulfamethoxazole and to ampicillin, 605
 - antinuclear factor, incongruity of results with lupus erythematosus cell preparation, 495
 - average-difference, calcium measurements with respect to five models of atomic absorption spectrometers, 619
 - charcoal-particle, modification as hepatitis B antigen card test III, sensitivity and specificity, 59
 - disk diffusion, antibiotic susceptibility, *Neisseria gonorrhoeae* to trimethoprim-sulfamethoxazole and to ampicillin, 605
 - false-positive results, latex test for systemic lupus erythematosus, 743
 - hemagglutination-inhibition for urinary estriol (abstract), 463
 - hepatitis B antigen card test III, sensitivity and specificity, 59
 - immunofluorescent, group D streptococci, reactivity enhanced by penicillin or lysozyme, 73
 - isopropanol precipitation for unstable hemoglobins, accuracy affected by hemoglobin F levels, KCN, and storage, 878
 - latex, systemic lupus erythematosus, 743
 - latex-agglutination, coccidioid, false-positive reactions of cerebrospinal fluid and diluted sera, 916
 - limulus amebocyte lysate in neonates, 1012
 - liver function, bile acids, immunoreactive glycine-conjugated, in health and hepatobiliary disease, 831
 - lupus erythematosus, systemic, latex particles, nucleoprotein-coated, in serologic diagnosis, 743
 - neutralization, mouse, botulin toxin, method for removing interfering substances from clinical specimens, 737
 - nitroblue tetrazolium, leukocyte, modified in acute bacterial infection, 905
 - platelet lysis, ^{51}Cr , anti-platelet antibody determination by platelet factor 3 assay correlated with, 475
 - precipitin
 - coccidioid latex-agglutination test, false-positive reactions of cerebrospinal fluid and diluted sera, 916
 - group D streptococci, reactivity enhanced by lysozyme, 73 - serum chemistry, changes in values as result of prolonged contact with the clot, 598
 - t, calcium measurements with respect to five models of atomic absorption spectrometers, 619
 - tourniquet (cuff), telangiectasia (letters), 615; 615
- Thalassemia
- β -, hemoglobin Q_{India} and, in Canadian family, 446
 - minor, erythrocyte measurements, routine, in diagnosis, 870
- Thrombin time, heparinized plasma (letters), 612; 613
- Thromboembolic disease, activated coagulation time of whole blood, progress report, 899
- Thrombolysis, automated instrument for recording clot lysis, 124
- Thromboplastin time, partial, activated, effect of increased contact activation time, 479
- Thrombosthenin, in human platelets, sites of activity (abstract), 460
- Thrombus(i)
- fibrin, clinically unsuspected disseminated intravascular coagulation, autopsy survey, 31
 - intravascular, clinically unsuspected disseminated intravascular coagulation, autopsy survey, 31
- Thymolphthalein monophosphate, prostatic acid phosphatase determination in assessment of vaginal fluid of alleged rape victims, 944
- Thyroid, medullary carcinoma, adrenal medullary disease in multiple endocrine neoplasia, type 2, 279
- TIBC, see Iron-binding capacity, total
- Tissue specimens, see under Specimen(s)
- Total iron-binding capacity, see under Iron-binding capacity
- Total lipids, see under Lipid(s)
- Tourniquet(s)
- application, duration resulting in variations of cholesterol and total lipid concentrations in sera of healthy young men, 935
 - test, telangiectasia (letters), 615; 615
- Toxicity
- aspirin hepatotoxicity, ultrastructural changes in, 570
 - esterase stain, nonspecific, reduction of health risks in preparation (letter), 766
- Toxicology, barbiturates, ultraviolet spectrophotometric analysis, 823
- Toxin(s), botulin, method for selectively removing interfering substances from clinical specimens, 737
- Transfer-of-technology multiplier, calcium measurements with respect to five models of atomic absorption spectrometers, 619
- Transfusion(s)
- see also Blood bank(s)
 - anti-platelet antibody determination by platelet factor 3 assay, 475
 - exchange, neonatal, using frozen-stored erythrocytes resuspended in plasma, 117

- reaction, with pulmonary infiltration associated with HL-A-specific leukocyte antibodies, 483
- Transmigration of bacteria, see under Bacteria
- Transplant(s)
- renal
 - acute allograft rejection, cytocentrifuge in diagnosis (abstract), 463
 - anti-kidney cytotoxic antibodies in human renal allografts, 395
 - Trauma, nitroblue tetrazolium test, leukocyte, modified in acute bacterial infection, 905
 - Treponema pallidum*, antigen in immunopathogenesis of syphilitic glomerulonephritis (abstract), 457
 - Triiodothyronine, kits, radioimmunoassay, limitations with three separation procedures (abstract), 464
 - Trimethoprim-sulfamethoxazole, activity against *Neisseria gonorrhoeae*, regression-line analysis, 605
 - Triton X-100, use in isoelectric focusing of alkaline phosphatase isoenzymes in polyacrylamide gels, 929
 - Tube(s), serum separator as intermediate storage device within laboratory, 653
 - Tumor(s)
 - see also Neoplasia(s)
 - granulosa-cell, uterine tumors resembling ovarian sex-cord tumors, 512
 - hemangiopericytoma-like intranasal, 672
 - plexiform, uterine tumors resembling ovarian sex-cord tumors, 512
 - Sertoli-cell, uterine tumors resembling ovarian sex-cord tumors, 512
 - sex-cord, ovarian, uterine tumors resembling, 512
 - stromal, endometrial, uterine tumors resembling ovarian sex-cord tumors, 512
- U**
- Ultramicro cyanmethemoglobin (hemiglobincyanide) determination of hemoglobin in "single-tube" manual technic, 122
- Ultrastructure
 - see also Microscopy, electron
 - breast, human, normal and abnormal, 291
 - hairy cells, emphasizing enzymatic markers, 432
 - liver, aspirin hepatotoxicity alterations of, 570
 - lymphadenopathy, angioimmunoblastic, with dysproteinemia, 551
- Ultraviolet spectrophotometric analysis, see under Spectrophotometric analysis
- Unit(s), SI, serum acid phosphatase, normal values and conversion factors to I.U. and SI units (letters), 610; 610
- Unsaturated iron-binding capacity, see under Iron-binding capacity
- Unstable hemoglobins, see under Hemoglobin(s)
- Urinary-tract infections, see under Infection(s)
- Urine
 - electrochemical method for early detection of urinary-tract infections, 91
 - estriol, hemagglutination-inhibition test for (abstract), 463
- Uterus, tumors resembling ovarian sex-cord tumors, 512
- V**
- Vaginal fluid, rape victims, alleged, assessment of prostatic acid phosphatase, 944
- Valve(s), mitral, prolapse, *Haemophilus paraphrophilus* endocarditis in, 922
- Variance, analysis of, variations of cholesterol and total lipid concentrations in sera of healthy young men, differentiating analytic error from biologic variability, 935
- Variation
 - biologic, differentiation from analytic error in determinations of cholesterol and total lipid concentrations in sera of healthy young men, 935
 - diurnal, cholesterol and total lipid concentrations in sera of healthy young men, 935
- Vascular disease, fibrinogen heterogeneity in, 958
- Videotape examination and review of pathology resident performance (abstract), 466
- Virus(es)
 - hepatitis B, anti-HB_e, significance in hepatic disease, immunohistochemical study of blood and hepatic tissue, 731
 - herpesvirus, foreskin, human, cell cultures for isolation from diagnostic specimens, 65
 - isolations, human foreskin cell cultures for, 65
- Vitamin B₁₂
 - deficiency, megaloblastic anemia secondary to, erythrocyte deformability reduced in, 953
 - radioisotopic assay in tissues, 863
- W**
- Weighted regression, see under Regression
- Whipple's disease, pancarditis in, electronmicroscopic demonstration of intracardiac bacillary bodies, 22
- Wilms' tumor
 - bilateral, cytodifferentiated renal tumor occurring with Wilms' tumor of opposite kidney, 376
 - cytodifferentiated renal tumor occurring in opposite kidney, 376
- Worksheets, summary system for clinical laboratory management, 132
- Y**
- Yersinia enterocolitica*, facial abscess due to, 1016
- Yersinia pseudotuberculosis* infections, clinical and laboratory aspects, 101
- Abstracts of Papers, Scientific Session of the Spring Program of the American Society of Clinical Pathologists, March 18-22, 1976, 457**
- Philip Levine Award Lecture.** Null types of the human erythrocyte blood groups, 467
- News and Notices, 671, 730, 830, 839**
- Erratum, 766**

INDEX OF AUTHORS

Abramson, Neil, 111
 Afroudakis, Angelos P., 461, 462
 Agrawal, Bharat L., 117
 Ahluwalia, G. S., 464
 Ainis, Herman, 117
 Alexander, Jane, 1016
 Ali, M. A. M., 446, 449
 Al-Jurf, Adel S., 461
 Allen, Fred H., Jr., 467
 Altire-Werber, Erna, 1019
 Anderson, Robert J., 167
 Andrews, A. Thomas, 483
 Angellis, Dennis, 929
 Aron, Bernard S., 692
 Aronsohn, Richard S., 238
 Ashcavaï, Mary, 461
 Atkinson, Barbara, 1004

Back, Nathan, 124
 Badawy, Shawky, 944
 Bailey, Harriett, 619
 Baker, Roger Denio, 928
 Baldwin, James R., 459
 Ballas, Samir K., 953
 Bannayan, George A., 702
 Barnes, Bruce, 238
 Barrows, George H., 463
 Baskin, Stuart, 457
 Batsakis, John G., 159, 238
 Baturay, Nesrine Z., 395
 Beall, S., 916
 Bechtel, Katherine C., 446, 453
 Ben David, E., 432
 Bennett, John M., 111
 Bennett, Robert M., 743
 Beuzard, Yves, 753
 Binder, Neil E., 766
 Bishop, C. F., 459
 Black, William A., 401, 407
 Blair, Olga, M., 551
 Boggs, Dane R., 442
 Bordin, Gerald M., 1029
 Bove, Kevin C., 692
 Bowman, Herbert S., 483
 Branson, Herman E., 967
 Braunstein, Herbert, 80, 87
 Braunstein, Kenneth M., 488
 Britten, Thomas L., 395
 Brosious, Effie M., 878
 Broughton, Alan, 465
 Brown, David J., 223
 Brown, James A., 746
 Brunning, Richard D., 10, 458
 Buchwald, Henry, 684
 Burke, Jerome S., 1

Burleson, Richard L., 463
 Burton, Robert M., 463
 Butler, James J., 1
 Byrd, Lawrence, 457

Cannon, Donald C., 854
 Carey, R. Neill, 653
 Carney, J. Aidan, 279, 461
 Carson, Jay W., 46
 Casella, Joanne, 619
 Cawley, L. P., 457
 Chambers, C. H., 531
 Chang-Lo, Mary, 767
 Chedid, A., 802
 Christianson, S. Charles, 815
 Clark, William E., 1025
 Clement, Philip B., 512
 Clowry, L. J., 531
 Clyde, David F., 905
 Compagno, John, 672
 Constantino, Manuel, 953
 Cooper, John H., 1028
 Copeland, Bradley E., 611, 619
 Cramer, A. D., 459
 Creveling, Robert L., 464
 Crockatt, Dale, 475
 Croy, Caroline, 863

Dalton, Harry P., 91
 Davidsohn, Israel, 767
 Davis, J. S., 22
 Dean, William J., 702
 Deaton, Carlton D., 464
 Dehner, Louis P., 991
 DeLuca, Jacque, 111
 Demers, Laurence M., 831
 Dence, David, 59
 Deodhar, Sharad D., 457
 De Silva, Malkanthie, 922
 Dewar, Catharine L., 760
 Dickman, P. S., 40
 Domstad, Peggy A., 746
 Dorsch, Carole A., 892
 Dorse, Sue E., 401, 407
 Dowell, V. R., 737
 Drewinko, Benjamin, 618
 Duarte, Enid, 457
 DuPont, Herbert L., 905

Edberg, Stephen C., 1019
 Ehrlich, Clarence E., 576
 Elian, Ezra, 570
 Emanuel, Dean A., 460

- Ende, Norman, 395
Estrada, R., 460
Eurenus, Karl, 488
Eveland, L. K., 786
Ewing, William H., 1004
- Fairbanks, Virgil F., 870
Farmer, Silas G., 565
Fass, Robert J., 605
Fattal, G., 464
Fechner, R. E., 460
Feldbruegge, Donald H., 653
Fellows, Pat, 144
Fink, Ronald, 132
Fischer, Craig L., 840
Fisher, Edwin R., 291
Fishman, William H., 929
Forrester, Michael G., 840
Fosburg, R. G., 459
Fox, Rosemary E., 658
Frankel, Kenneth, 616
Fraser, Martin D., 193
Frenkel, Eugene P., 863
Friedland, Joan, 416
Friedman, Bruce C., 766
- Galey, Carmen, 863
Garbus, Joel, 905
Genova, Thomas F., 395
Gerstbrein, H. L., 425
Giffler, Ronald F., 715
Gilbert, Roger K., 159, 184
Gill, Charles, 840
Gilmer, P. R., Jr., 262
Giordano, Nicholas D., 588
Glenn, Guy C., 645
Gochman, Nathan, 847
Goellner, J. R., 775
Goldstein, Joel A., 1012
Goossens, J. P., 155
Gottfried, Eugene L., 506
Grajwer, Luis A., 117
Grannis, George F., 206
Greenberg, S. Donald, 460, 815
Grisley, Daniel W., 619
Gupta, Raj K., 390
Gurewich, Victor, 958
Gutman, A., 432
Gyorkey, Ferenc, 462
Gyorkey, Phillis, 462
- Hansell, John R., 234
Harms, Cathy, 459
Hartley, M., 459
Hassemer, David J., 598, 639, 653
Hathaway, Thomas K., 645
Hatheway, Charles L., 737
- Hattersley, Paul G., 479, 899
Haven, Guy T., 144, 268
Haven, Mary, 144
Hawk, William A., 461
Hawkins, Edith, 710
Hayse, Dorothy, 479
Hennigar, Gordon R., 376
Henry, John Bernard, 463, 823, 944
Hepner, Gershon W., 831
Hermann, William J., Jr., 54
Hernandez, Benjamin A., 998
Hicks, Robert, 144
Hill, J. R., 760
Hill, L. Leighton, 545
Hoeltge, Gerald A., 463
Hoffman, George C., 463
Hoffmann, Klaus D., 958
Holland, S., 453
Hornick, Richard B., 905
Horwitz, Marcus A., 737
Howell, R. Rodney, 702
Huff, C., 453
Hughson, Michael D., 376
Humes, James J., 54
Hurst, George A., 815
Hurst, I. J., 815
Hyams, Vincent J., 672
- Iancu, Theodore, 570
Indriksons, Andris A., 598
Inglis, Norma R., 929
Inoue, Y. K., 531
Israel, Michael, 132
Itano, Masashi, 244
- Jacobs, Barbara, 457
Jager, B. Val, 723
Jarial, M. S., 459
Johnson, M. H., 453
Johnston, Charles L., Jr., 495
Jones, David B., 463
Judge, D. M., 40
Jue, Danny L., 449, 453
- Kafader, C. D., 463
Karasawa, T., 802
Karn, Robert C., 576
Kassouny, Dicran Y., 786
Kater, Louis, 731
Kay, Saul, 715
Kellerman, G. D., 911
Kellermeyer, R. W., 156
Kelly, James, 59
Kennedy, J., 537
Kenney, Michael, 786
Kiefer, Lester, 466
Kim, Dae Un, 457
Kim, Han-Seob, 31
Kirkish, Lorraine S., 634

- Kish, M. H., 537
Klee, George G., 870
Kocka, Frank E., 96
Koepke, John A., 248, 262
Kohaut, Edward C., 545
Koletsky, Richard J., 588
Koletsky, Simon, 588
Koller, Stephen R., 495
Komorowski, Richard A., 565, 810
Kovi, J., 537
Krasnow, I., 916
Krieg, Arthur F., 132
Kuczala, Z. J., 464
Kunz, Lawrence J., 73
- Laessig, Ronald H., 598, 639, 653
Lamb, Virginia A., 91
Lampkin, Beatrice, 692
Lanava, T. S., 537
Langer, Barbara, 743
Lauenstein, Karla, 823
Lawhorn, Beverly K., 746
Lawson, Noel S., 268
Lederer, W. H., 425
Lee, In, 457
LeFever, David, 823
Lehmann, H. Peter, 610
Lehrner, Larry M., 576
Lerner, Samuel R., 746
Levine, Myron M., 905
Lewis, Jay F., 1016
Li, Chin-Yang, 976
Lie, J. T., 22, 31
Lill, Patsy H., 767
Lipinska, Izabella, 958
Lipinski, Boguslaw, 958
Liss, Joseph P., 922
Lorian, Victor, 1004
Lubiniecki, Anthony S., 892
Lyonnais, Jean, 449
Lyons, Robert W., 922
- Mabry, L. C., 815
Marrack, David, 465
Marubio, A. Thomas, Jr., 684
Marx, James J., Jr., 460
Mathies, J. C., 667
Matlage, William H., 815
Mattson, J. C., 460
Maxwell, Kameron W., 464
McCann, Daisy S., 634
McClintock, W. C., 425
McKenna, Robert W., 458, 991
McLennon, John, 457
McQuillan, Geraldine, 59
Merritt, A. Donald, 576
Mertens, Benny F., 465, 667
Miller, Roger M., 905
- Million, Rodney R., 154
Min, Kyung-Whan, 462
Minard, B., 457, 459
Moellering, Robert C., Jr., 73
Molina, Elena, 743
Moncure, Charles W., 495
Monte, Marc, 753
Moo-Penn, Winston F., 446, 449, 453
Morrison, Barbara Y., 878
Muckle, Thos. J., 615
Muir, W. Angus, 156
Murphy, William M., 986
Myhre, Bryon A., 248
- Naeve, Richard L., 526
Nakamura, Robert, 840
Newhouse, P. A., 459
Nishibe, Y., 531
Norris, Henry J., 767
- O'Carroll, D. I., 458
O'Connor, John, 458
Okuno, Takashi, 475
Olisa, Emeka G., 537
Orsi, Ernest V., 395
Ortigoza, Corpus, 465
O'Sullivan, Michael B., 870
Othersen, H. Biemann, Jr., 376
- Paegle, Roland D., 466
Paff, James R., 101
Paik, Hugh H., 810
Pappagianis, D., 916
Park, Choong H., 927
Parkin, Janet, 10
Paskey, Thomas A., 598, 639
Pastel, Ashok, 117
Peglow, Ann, 944
Penner, John A., 612
Perkins, Robert L., 605
Perry, Janet G., 465
Pertschuk, Louis P., 458, 1027
Peters, Robert L., 461, 462
Petersen, C. A., 459
Phifer, S., 459
Pierre, Robert V., 870
Pildes, Rosita S., 117
Pircher, Felix J., 746
Pitcock, James A., 986
Polesky, Herbert, 248
Prior, Richard B., 605
- Quick, Armand J., 615
- Radnay, J., 432
Ramos, Carlos V., 998
Redstone, David, 658

- Reichman, Lee B., 457
Reihart, Judith K., 483
Reller, L. Barth, 1012
Reyes, Cesar N., 460
Rice, Eugene W., 122
Rimer, Ronald L., 986
Ringsted, Jørgen, 723
Roberts, Ronald C., 460
Roemisch, Elinor, 96
Rosa, Jean, 753
Rosen, Paul Peter, 152
Rosenberg, B. J., 463
Ross, John W., 193
Rotatori, Eugene S., 922
Roy, Shane, III, 986
Rozenszajn, L. A., 432
Rubenstone, Albert I., 767
Rubin, Sally Jo, 922
Ryden, Sally E., 634
Rywin, Arkadi M., 617
- Saari, Thomas N., 101
Saidi, Parvin, 953
Scharfenberger, L. F., 911
Schiff, Robert, 463
Schmer, Gottfried, 967
Schmidt, Robert M., 446, 449, 453, 878
Schork, M. Anthony, 162, 167
Schumann, G. Berry, 463, 823, 944
Schwartz, Andrew R., 905
Schwartz, Marshall Z., 684
Schwartz, Thomas H., 598, 639, 653
Scully, Robert E., 512
Sell, Stewart, 847
Sharon, Nehama, 65
Sheps, Sheldon G., 279
Sher, Joanna, 458
Shirey, Earl, 457
Shoham, D., 432
Silverstein, Emanuel, 416
Singer, Don B., 545, 710
Singer, Jacques M., 1019
Sizemore, Glen W., 279
Smith, Richard S., 464
Sommers, Herbert M., 255
Songster, Curtis L., 463
Stass, S. A., 459
Statland, Bernard E., 935
Stevens, P. M., 460
Stevens, Roy W., 59
Stillman, David, 847
Straumfjord, Jon V., 531
Strong, James E., 465
Suk, Dongsoo, 723
Sutton, Albert L., 1027
Suzuki, Minoru, 31
- Tatter, Dorothy, 462
Taylor, Herbert B., 998
- Taylor, Robert L., 560
Titus, Jack L., 31
Tomasulo, Michael, 80, 87
Tong, Myron J., 461
Tourville, Donald R., 457
Trapukdi, S., 40
Triplett, Douglas A., 101, 459
Ts'ao, Chung-hsin, 613
Tucker, Eugene F., 998
- Valdes, Andres J., 551
Varco, Richard, 684
Velazquez, Luis A., 1027
Visvesvara, Govinda S., 723
Vogten, Arnoldus J. M., 731
Vuletin, Juan Carlos, 1027
- Waddell, Caroline C., 746
Wald, Milton, 458
Waldner, Deborah K., 883
Walker, William A., 238
Wall, Barbara, 506
Waller, Marion V., 495
Wang, Wen-Lan L., 1012
Ward, Jewell C., 576
Waterman, N. G., 911
Watson, Barbara K., 73
Wehman, Jacqueline, 506
Weichert, Kathryn Ann, 692
Weiner, Roy S., 766
Weisbrot, Irwin M., 792, 883
Wende, Rueben, 465
Wenzel, Frederick J., 460
Westgard, James O., 653
Whitby, James L., 401
White, Jerry D., 863
Wilkins, Hans J., 124
Wilkins, Judd R., 91
Williams, A. Olufemi, 537
Williams, George W., 162, 167
Williams, R., 457
Wilson, R. K., 460
Winkel, Per, 935
Wolowyk, M. W., 760
Woo, Jannie, 854
Woodbridge, J. Eliot, 610
Wyatt, Larry L., 967
- Yam, Lung T., 976
Yarrison, Gerald, 667
Yermakov, Valentin, 786
Yu, Gloria S. M., 46
- Zajd, David, 457
Zarif, Mehru, 117
Zmijewski, Chester M., 483
Zuiches, C., 460

AMERICAN JOURNAL OF CLINICAL PATHOLOGY

OFFICIAL PUBLICATION OF AMERICAN SOCIETY OF CLINICAL PATHOLOGISTS

BOARD OF EDITORS

LESTER ADELSON	EDWIN R. FISHER	CHARLES S. PETTY
ROGER D. BAKER	S. RAYMOND GAMBINO	EDWARD R. POWSNER
JOHN G. BATSAKIS	ROGER K. GILBERT	JAMES W. REAGAN
PARKER R. BEAMER	ELSON B. HELWIG	JOHN W. REBUCK
MYRTON F. BEELER	JOHN B. HENRY	JERALD W. SCHENKEN
GEORGE P. BLUNDELL	DORIN L. HINERMAN	ROBERT SCHREK
WILLIAM M. CHRISTOPHERSON	RAFFAELE LATTES	DONALD A. SENHAUSER
REX D. COUCH	CHANG LING LEE	JOHN A. SHIVELY
CLYDE G. CULBERTSON	JOHN R. McDONALD	DAVID E. SMITH
ANTHONY N. D'AGOSTINO	WILLIAM A. MEISSNER	KURT STERN
ISRAEL DAVIDSOHN	PERRY J. MELNICK	F. WILLIAM SUNDERMAN
LEMUEL W. DIGGS	CHARLES A. OWEN, JR.	JOHN A. WASHINGTON, II
GEORGE W. DOUGLAS	GERALD M. PENN	LYLE A. WEED

FRANK VELLIOS—Editor-in-Chief

University of Texas Southwestern Medical School
323 Harry Hines Boulevard, Room E3-500
Dallas, Texas 75235

PUBLISHED BY J. B. LIPPINCOTT COMPANY • PHILADELPHIA • TORONTO

All change of address notices for the membership listing should be mailed to American Society of Clinical Pathologists, Attn. AJCP Circulation Dept., 2100 W. Harrison Street, Chicago, Ill. 60612. All other notices should be forwarded to J. B. Lippincott Company, Attn. Circulation Manager, East Washington Square, Philadelphia, Pa. 19105.

Copyright © 1976 by the American Society of Clinical Pathologists. Single copies of all material subject to this copyright may be photocopied for the non-commercial purpose of scientific or educational advancement. Published monthly for the Society by J. B. Lippincott Co., East Washington Square, Philadelphia, Pennsylvania 19105. Second class postage paid at Philadelphia and additional mailing offices. Subscription price: U.S. and possessions, \$30 per year; all other countries \$39 per year. Single issue price \$4.00.

TABLE OF CONTENTS

JULY TO DECEMBER, 1976

Number 1, July 1976

Malignant Lymphoma with a High Content of Epithelioid Histiocytes (Lennert's Lymphoma). JEROME S. BURKE AND JAMES J. BUTLER	1
Intranuclear Inclusions in Plasma Cells and Lymphocytes from Patients with Monoclonal Gammopathies. RICHARD D. BRUNNING AND JANET PARKIN	10
Pancarditis in Whipple's Disease. Electronmicroscopic Demonstration of Intracardiac Bacil- lary Bodies. J. T. LIE AND J. S. DAVIS	22
Clinically Unsuspected Disseminated Intravascular Coagulation (DIC). An Autopsy Survey. HANS-SEOB KIM, MINORU SUZUKI, J. T. LIE, AND JACK L. TITUS	31
Nonfunctioning Argyrophilic Tumor (APUDoma) of the Hepatic Duct. Simplified Methods of Detecting Biogenic Amines in Tissue. D. M. JUDGE, P. S. DICKMAN, AND S. TRAPUKDI	40
Giant Lymph-node Hyperplasia, Plasma-cell Type, of the Mediastinum, with Periph- eral Neuropathy. GLORIA S. M. YU AND JAY W. CARSON	46
A Compound Nevus in a Benign Cystic Teratoma of the Ovary. WILLIAM J. HERMANN, JR., AND JAMES J. HUMES	54
Hepatitis B Antigen Card Test III. Sensitivity and Specificity. ROY W. STEVENS, GERALDINE MCQUILLAN, DAVID DENCE, AND JAMES KELLY	59
The Use of Human Foreskin Cell Cultures for Isolation of Herpesvirus Group in the Diag- nostic Laboratory. NEHAMA SHARON	65
Effects of Penicillin and Lysozyme on the Immunofluorescent and Precipitin Reactivity of Group D Streptococci. BARBARA K. WATSON, ROBERT C. MOELLERING, JR., AND LAWRENCE J. KUNZ	73
A Quantitative Study of the Multiplication of <i>Pseudomonas aeruginosa</i> in Vented and Un- vented Blood-culture Bottles. HERBERT BRAUNSTEIN AND MICHAEL TOMASULO	80
A Quantitative Study of the Growth of <i>Candida albicans</i> in Vented and Unvented Blood- culture Bottles. HERBERT BRAUNSTEIN AND MICHAEL TOMASULO	87
Electrochemical Method for the Early Detection of Urinary-tract Infections. VIRGINIA A. LAMB, HARRY P. DALTON, AND JUDD R. WILKINS	91
Comparison of Methods for Differentiating among <i>Serratia marcescens</i> Isolated from Clinical Specimens. ELINOR ROEMISCH AND FRANK E. KOCKA	96
Clinical and Laboratory Aspects of <i>Yersinia pseudotuberculosis</i> Infections, with a Report of Two Cases. JAMES R. PAFF, DOUGLAS A. TRIPLETT, AND THOMAS N. SAARI	101
Immune Markers in Adult Acute Leukemia. NEIL ABRAMSON, JACQUE DELUCA, AND JOHN BENNETT	111
Exchange Transfusion in the Neonate. A Controlled Study Using Frozen-stored Erythro- cytes Resuspended in Plasma. LUIZ A. GRAJWER, ROSITA S. PILDES, MEHRU ZARIF, HERMAN AINIS, BHARAT L. AGRAWAL, AND ASHOK PATEL	117
Erythrocyte and Hemoglobin Quantitation Via a Convenient "Single-tube" Combined Nephelometric-Cyanmethemoglobin Manual Technic. A Reserve System for Automated Hemoglobinometry. EUGENE W. RICE	122
New Instrument for Automatic Recording of Clot Lysis. HANS J. WILKENS AND NATHAN BACK	124
A Worksheet Summary System for Clinical Laboratory Management. ARTHUR F. KRIEG, MICHAEL ISRAEL, AND RONALD FINK	132
Evaluation of a Coulter Chemistry Unit. MARY HAVEN, GUY HAVEN, PAT FELLOWS, AND ROBERT HICKS	144

Letters to the Editor:

Results of Radiation Treatment of Primary Mammary Carcinoma. PAUL PETER ROSEN . . .	152
Dr. Million's Reply. RODNEY R. MILLION	154
The Inheritance of Hemochromatosis. J. P. GOOSSENS	155
The Authors' Reply. R. W. KELLERMAYER AND W. ANGUS MUIR	156

Number 1 (S), Supplement to July 1976

College of American Pathologists Survey

Introduction to the College of American Pathologists Survey Supplement. JOHN G. BATSAKIS AND ROGER K. GILBERT	159
Some Statistical Implications of Rounding in the College of American Pathologists Survey. GEORGE W. WILLIAMS AND M. ANTHONY SCHORK	162
An Evaluation of Statistical Procedures Designed to Detect Outliers Resulting from a Light Degree of Contamination in Random Samples of Moderate Size. GEORGE W. WILLIAMS, M. ANTHONY SCHORK, AND ROBERT J. ANDERSON	167
A Comparison of Participant Mean Values of Duplicate Specimens in the CAP Chemistry Survey Program. ROGER K. GILBERT	184
The Effect of Analyte and Analyte Concentration upon Precision Estimates in Clinical Chemistry. JOHN W. ROSS AND MARTIN D. FRASER	193
Interlaboratory Survey of Enzyme Analyses. I. Preliminary Studies. GEORGE F. GRANNIS . . .	206
Clinical Chemistry Kits in the CAP Survey Program. DAVID J. BROWN	223
Three-years' Experience in Interlaboratory Testing of Commercial Digoxin Kits. JOHN R. HANSELL	234
Serum Albumin. A CAP Survey. JOHN G. BATSAKIS, RICHARD S. ARONSOHN, WILLIAM A. WALKER, AND BRUCE BARNES	238
College of American Pathologists Comprehensive Chemistry Survey Bonus Option. Iron-binding Capacity. MASASHI ITANO	244
The Comprehensive Blood Bank Survey Program of the College of American Pathologists. BYRON A. MYHRE, JOHN A. KOEPKE, AND HERBERT POLESKY	248
Results of the College of American Pathologists Mycobacterial Surveys, 1973. HERBERT M. SOMMERS	255
The Reiculocyte. An Approach to Definition. P. R. GILMER, JR., AND JOHN A. KOEPKE . . .	262
The Role of Regional Quality Control Programs in the Practice of Laboratory Medicine in the United States. NOEL S. LAWSON AND GUY T. HAVEN	268
Standards for an Interlaboratory (Proficiency) Testing Program. <i>College of American Pathologists</i>	276

Number 2, August 1976

Adrenal Medullary Disease in Multiple Endocrine Neoplasia, Type 2. Pheochromocytoma and Its Precursors. J. AIDAN CARNAY, GLEN W. SIZEMORE, AND SHELDON G. SHEPS	279
Ultrastructure of Human Breast and Its Disorders. EDWIN R. FISHER	291
Cytodifferentiated Renal Tumors Occurring with Wilms' Tumors of the Opposite Kidneys. Report of Two Cases. MICHAEL D. HUGHSON, GORDON R. HENNIGAR, AND H. BIE-MANN OTHERSEN, JR	376
Immunocytologic Losses of Isoantigens A, B, and H (O) in the Endometrium and Brain. RAJ K. GUPTA	390
Anti-kidney Cytotoxic Antibodies in Human Renal Allografts. NORMAN ENDE, ERNEST V. ORSI, THOMAS L. BRITTEN, NESRINE Z. BATURAY, AND THOMAS F. GENOVA	395
A Regional Quality Control Program in Microbiology. I. Administrative Aspects. WILLIAM A. BLACK, SUE E. DORSE, AND JAMES L. WHITBY	401

A Regional Quality Control Program in Microbiology. II. Advantages of Simulated Clinical Specimens. WILLIAM A. BLACK AND SUE E. DORSE	407
A Sensitive Fluorimetric Assay for Serum Angiotensin-converting Enzyme. JOAN FRIEDLAND AND EMANUEL SILVERSTEIN	416
A Column Chromatographic Method for the Combined Analysis of Creatine Kinase-MB (CPK-MB) and Lactate Dehydrogenase 1,2 (LDH 1,2) Isoenzymes. W. H. LEDERER, H. L. GERSTBREIN, AND W. C. MCCLINTOCK	425
A Study of the Nature of "Hairy" Cells, with Emphasis on Enzymatic Markers. L. A. ROZENSZAJN, A. GUTMAN, J. RADNAY, E. BEN DAVID, AND D. SHOHAM	432
Normal Hematocrits in Preadolescent Children. DANE R. BOGGS	442
Hemoglobin Q _{India} , α_{64} (E13) Asp→His, and β -Thalassemia in a Canadian Family. ROBERT M. SCHMIDT, M. A. M. ALI, KATHERINE C. BECHTEL, and WINSTON F. MOO-PENN	446
Hemoglobin _{Bethesda} : β_{145} (HC2) Tyr→His, in a Canadian Family. ROBERT M. SCHMIDT, DANNY L. JUE, M. A. M. ALI, JEAN LYONNAIS, AND WINSTON F. MOO-PENN	449
Hemoglobin _{Jackson} , α_{127} (H10) Tyr→Asn. W. F. MOO-PENN, K. C. BECHTEL, M. H. JOHNSON, D. L. JUE, S. HOLLAND, C. HUFF, and R. M. SCHMIDT	453
Abstracts of Papers, Scientific Session of the Spring Program of the American Society of Clinical Pathologists, March 18-22, 1976	457

Number 3, September 1976

Null Types of the Human Erythrocyte Blood Groups. Philip Levine Award Lecture. FRED H. ALLEN, JR.	467
Anti-platelet Antibody Determination: by Platelet Factor 3 Assay. TAKASHI OKUNO AND DALE CROCKATT	475
The Effect of Increased Contact Activation Time on the Activated Partial Thromboplastin Time. PAUL G. HATTERSLEY AND DORTHY HAYSE	479
Transfusion Reaction with Pulmonary Infiltration Associated with HL-A-specific Leukocyte Antibodies. A. THOMAS ANDREWS, CHESTER M. ZMIJEWSKI, HERBERT S. BOWMAN, AND JUDITH K. REIHART	483
Minimal Heparin Cofactor Activity in Disseminated Intravascular Coagulation and Cirrhosis. KENNETH M. BRAUNSTEIN AND KARL EURENIUS	488
Lupus Erythematosus Cell Preparation—Antinuclear Factor Incongruity. A Review of Diagnostic Tests for Systemic Lupus Erythematosus. STEPHEN R. KOLLER, CHARLES L. JOHNSTON, JR., CHARLES W. MONCURE, AND MARION V. WALLER	495
Electronic Platelet Counts with the Coulter Counter. Reassessment of a Correction Factor. EUGENE L. GOTTFRIED, JACQUELINE WEHMAN, AND BARBARA WALL	506
Uterine Tumors Resembling Ovarian Sex-cord Tumors. A Clinicopathologic Analysis of Fourteen Cases. PHILIP B. CLEMENT AND ROBERT E. SCULLY	512
Brain-stem and Adrenal Abnormalities in the Sudden-infant-death Syndrome. RICHARD L. NAEYE	526
Subacute Myelo-optico-neuropathy (SMON) Following Pneumonitis. Serologic Confirmation Three and a Half Years after Death. C. H. CHAMBERS, JON V. STRAUMFJORD, L. J. CLOWRY, Y. NISHIBE, AND Y. K. INOUE	531
Hodgkin's Disease in American Negroes. Histologic Classification of the Disease in 143 Untreated Patients, and Age Distribution. EMEKA G. OLISA, J. KOVI, J. KENNEDY, M. H. KISH, T. S. LANAVA, AND A. OLUFEMI WILLIAMS	537
The Significance of Focal Glomerular Sclerosis in Children Who Have Nephrotic Syndrome. EDWARD C. KOHAUT, DON B. SINGER, AND L. LEIGHTON HILL	545
Angioimmunoblastic Lymphadenopathy with Dysproteinemia. Immunohistologic and Ultrastructural Studies. ANDRES J. VALDES AND OLGA M. BLAIR	551
Sparganosis in the United States. Report of a Case. ROBERT L. TAYLOR	560

Cutaneous Microabscess Formation from <i>Alternaria alternata</i> . SILAS G. FARMER AND RICHARD A. KOMOROWSKI	565
Ultrastructural Changes in Aspirin Hepatotoxicity. THEODORE IANCU AND EZRA ELIÁN	570
An Evaluation of the Usefulness of Amylase Isozyme Differentiation in Patients with Hyperamylasemia. LARRY M. LEHNER, JEWELL C. WARD, ROBERT C. KARN, CLARENCE E. EHRLICH, AND A. DONALD MERRITT	576
Simultaneous Determination of Plasma Aldosterone, Corticosterone, 11-Deoxycorticosterone, 18-Hydroxydeoxycorticosterone, Cortisol, and 11-Deoxycortisol. Methods and Applications. NICHOLAS D. GIORDANO, RICHARD J. KOLETSKY, AND SIMON KOLETSKY	588
Changes in Serum Chemical Values as a Result of Prolonged Contact with the Clot. RONALD H. LAESSIG, ANDRIS A. INDRIKSONS, DAVID J. HASSEMER, THOMAS A. PASKEY, AND THOMAS H. SCHWARTZ	598
Regression-line Analysis of Trimethoprim-Sulfamethoxazole Activity against <i>Nisseria gonorrhoeae</i> . RICHARD B. PRIOR, ROBERT J. FASS, AND ROBERT L. PERKINS	605
Letters to the Editor:	
Serum Acid Phosphatase—Normal Values and Conversion Factors to I.U. and SI Units. J. ELIOT WOODBRIDGE	610
Dr. Lehmann's Reply. H. PETER LEHMANN	610
Blood Bank Survey. BRADLEY E. COPELAND	611
Thrombin Time in Heparinized Plasma. JOHN A. PENNER	612
Dr. Ts'ao's Reply. CHUNG-HSIN TS'AO	613
Tourniquet Test. THOS. J. MUCKLE	615
Dr. Quick's Reply. ARMAND J. QUICK	615
Bone Marrow Biopsy and Aspiration. KENNETH FRANKEL	616
Bone Marrow Histology, Aspiration versus Biopsy. ARKADI M. RYWLIN	617
Dr. Drewinko's Reply. BENJAMIN DREWINKO	618

Number 4, October 1976

Comparison of Serum Calcium Measurements with Respect to Five Different Models of Atomic Absorption Spectrometers Using NBS-AACC Calcium Reference Method and Isotope-dilution Mass Spectrometry as the Definitive Method. BRADLEY E. COPELAND, DANIEL W. GRISLEY, JOANNE CASELLA, AND HARRIETT BAILEY	619
Evaluation of Serum Ionic Calcium Measurement in a General Hospital Population. SALLY E. RYDEN, LORRAINE S. KIRKISH, AND DAISY S. MCCANN	634
The Effects of 0.1 and 1.0 Per Cent Erythrocytes and Hemolysis on Serum Chemistry Values. RONALD H. LAESSIG, DAVID J. HASSEMER, THOMAS A. PASKEY, AND THOMAS H. SCHWARTZ	639
Effects of Specimen Evaporation on Quality Control. GUY C. GLENN AND THOMAS K. HATHAWAY	645
Assessment of the Serum Separator Tube as an Intermediate Storage Device within the Laboratory. RONALD H. LAESSIG, DAVID J. HASSEMER, JAMES O. WESTGARD, R. NEILL CAREY, DONALD H. FELDBRUEGGE, AND THOMAS H. SCHWARTZ	653
Sources of Error in Glucose Determinations in Neonatal Blood by Glucose Oxidase Methods, Including Dextrostix. ROSEMARY E. FOX AND DAVID REDSTONE	658
New Diagnostic Use of Bone Marrow Acid and Alkaline Phosphatase. GERALD YARRISON, BENNY F. MERTENS, AND J. C. MATHIES	667
Hemangiopericytoma-like Intranasal Tumors. A Clinicopathologic Study of 23 Cases. JOHN COMPAGNO AND VINCENT J. HYAMS	672
Hepatic Lesions of Central Pericellular Fibrosis in Morbid Obesity, and after Jejunoileal Bypass. A. THOMAS MARUBBIO, JR., HENRY BUCHWALD, MARSHALL Z. SCHWARTZ, AND RICHARD VARCO	681

Rhabdomyosarcoma in Children. A Clinicopathologic Study of 35 Patients. KATHYRN ANN WEICHERT, KEVIN C. BOVE, BERNARD S. ARON, AND BEATRICE LAMPKIN	692
Type IV Glycogen-storage Disease. Light-microscopic, Electron-microscopic, and Enzymatic Study. GEORGE A. BANNAYAN, WILLIAM J. DEAN, AND R. RODNEY HOWELL	702
The Adrenal Cortex in Cystic Fibrosis of the Pancreas. EDITH HAWKINS AND DON B. SINGER	710
Small-cell Carcinoma of the Male Mammary Gland. A Tumor Resembling Infiltrating Lobular Carcinoma. RONALD F. GIFFLER AND SAUL KAY	715
Probable Acanthamoeba Meningoencephalitis in a Korean Child. JØRGEN RINGSTED, B. VAL JAGER, DONGSOO SUK, AND GOVINDA S. VISVESVARA	723
Significance of Anti-HB _e in Patients with Hepatic Disease. A Comparative Immunohistochemical Study of Blood and Hepatic Tissue. LOUIS KATER AND ARNOLDUS J. M. VOGTEN	731
Laboratory Diagnosis of Botulism Complicated by Pyridostigmine Treatment of the Patient. A Method for Selectively Removing Interfering Substances from Clinical Specimens. MARCUS A. HORWITZ, CHARLES L. HATHAWAY, AND V. R. DOWELL	737
Nucleoprotein-coated Latex Particles in the Serologic Diagnosis of SLE. A Comparative Clinical and Serologic Study. ROBERT M. BENNETT, BARBARA LANGER, AND ELENA MOLINA	743
Serum Folate Levels. Comparison of Microbiologic Assay and Radioisotope Kit Methods. CAROLINE C. WADDELL, PEGGY A. DOMSTAD, FELIX J. PIRCHER, SAMUEL R. LERNER, JAMES A. BROWN, AND BEVERLY K. LAWHORN	746
Mapping of Several Abnormal Hemoglobins by Horizontal Polyacrylamide Gel Isoelectric Focusing. MARC MONTE, YVES BEUZARD, AND JEAN ROSA	753
A Simple Method for Processing Erythrocytes for Scanning Electron Microscopy. CATHARINE L. DEWAR, M. W. WOLOWYK, AND J. R. HILL	760
Letter to the Editor:	
Reduction of Health Risks in Preparation of the Nonspecific Esterase Stain. BRUCE C. FRIEDMAN, NEIL E. BINDER, AND ROY S. WEINER	766
News and Notices	671, 730
Erratum	766

Number 5, November 1976

Isoantigens ABH in Cervical Intraepithelial Neoplasia. PATSY H. LILL, HENRY J. NORRIS, ALBERT I. RUBENSTONE, MARY CHANG-LO, AND ISRAEL DAVIDSOHN	767
Carcinoma of the Cervix. Clinicopathologic Correlation of 196 Cases. J. R. GOELLNER	775
Two Cases of Enteric Myiasis in Man. Pseudomyiasis and True Intestinal Myiasis. MICHAEL KENNEY, L. K. EVELAND, VALENTIN YERMAKOV, AND DICRAN Y. KASSOUNY	786
Lymphomatoid Granulomatosis of the Lung, Associated with a Long History of Benign Lymphoepithelial Lesions of the Salivary Glands and Lymphoid Interstitial Pneumonitis. Report of a Case. IRWIN M. WEISBROT	792
Sclerosing Hyaline Necrosis in Noncirrhotic Chronic Hepatitis. T. KARASAWA AND A. CHEDID	802
Hemangiosarcoma of the Abdominal Wall Following Irradiation Therapy of Endometrial Carcinoma. HUGH H. PAIK AND RICHARD KOMOROWSKI	810
Pulmonary Cytopathology of Former Asbestos Workers. Report of the First Year. S. DONALD GREENBERG, GEORGE A. HURST, S. CHARLES CRISTIANSON, WILLIAM J. MATLAGE, I. J. HURST, AND L. C. MABRY	815
Ultraviolet Spectrophotometric Analysis of Barbiturates. Current Assessment as an Emergency Screening Procedure. G. BERRY SCHUMANN, KARLA LAUENSTEIN, DAVID LEFEVER, AND JOHN BERNARD HENRY	823

Levels of Immunoreactive Glycine-conjugated Bile Acids in Health and Hepatobiliary Disease. LAURENCE M. DEMERS AND GERSHON W. HEPNER	831
Quantitation of "Acute-phase Proteins" Postoperatively. Value in Detection and Monitoring of Complications. CRAIG L. FISCHER, CHARLES GILL, MICHAEL G. FORRESTER, AND ROBERT NAKAMURA	840
Serum Alpha-Fetoprotein. A Prognostic Indicator of Liver-cell Necrosis and Regeneration Following Experimental Injury by Galactosamine in Rats. STEWART SELL, DAVID STILLMAN, AND NATHAN GOCHMAN	847
A Quality Control Program for the Radioimmunoassay Laboratory. JANNIE WOO AND DONALD C. CANNON	854
Radioisotopic Assay of Vitamin B ₁₂ in Tissues. EUGENE P. FRENKEL, JERRY D. WHITE, CARMEN GALEY, AND CAROLINE CROY	863
Routine Erythrocyte Measurements in Diagnosis of Iron-deficiency Anemia and Thalassemia Minor. GEORGE G. KLEE, VIRGIL F. FAIRBANKS, ROBERT V. PIERRE, AND MICHAEL B. O'SULLIVAN	870
Effects of Hemoglobin F Levels, KCN, and Storage on the Isopropanol Precipitation Test for Unstable Hemoglobins. EFFIE M. BROSIUS, BARBARA Y. MORRISON, AND ROBERT M. SCHMIDT	878
An Evaluation of the Haema-count MK-40 Blood Counting System. IRWIN M. WEISBROT AND DEBORAH K. WALDNER	883
Comparison of Mouse Liver Sections and Cultured Mouse Fibroblasts as Substrates for the Detection of Antinuclear Antibodies. ANTHONY S. LUBINIECKI AND CAROLE A. DORSCH	892
Progress Report: The Activated Coagulation Time of Whole Blood (ACT). PAUL G. HATTERSLEY	899
A Modified Leukocyte Nitroblue Tetrazolium Test in Acute Bacterial Infection. ROGER M. MILLER, JOEL GARBUS, ANDREW R. SCHWARTZ, HERBERT L. DUPONT, MYRON M. LEVINE, DAVID F. CLYDE, AND RICHARD B. HORNICK	905
Demonstration <i>in vitro</i> of Postmortem Bacterial Transmigration. G. D. KELLERMAN, N. G. WATERMAN, AND L. F. SCHARFENBERGER	911
False-positive Reactions of Cerebrospinal Fluid and Diluted Sera with the Coccidioidal Latex-agglutination Test. D. PAPPAGIANIS, I. KRASNOW, AND S. BEALL	916
<i>Haemophilus paraphrophilus</i> Endocarditis in a Prolapsed Mitral Valve. MALKANTHIE DE SILVA, SALLY JO RUBIN, ROBERT W. LYONS, JOSEPH P. LISS, AND EUGENE S. ROTATORI	922
A Simple Method for Maintaining Fastidious Organisms. CHOONG H. PARK	927
Letter to the Editor:	
Primary Complex in Histoplasmosis. ROGER DENIO BAKER	928
News and Notices	830, 839

Number 6, December 1976

Isoelectric Focusing of Alkaline Phosphatase Isoenzymes in Polyacrylamide Gels. Use of Triton X-100 and Improved Staining Technic. DENNIS ANGELLIS, NORMA R. INGLIS, AND WILLIAM H. FISHMAN.	929
Variations of Cholesterol and Total Lipid Concentrations in Sera of Healthy Young Men. Differentiating Analytic Error from Biologic Variability. BERNARD E. STATLAND AND PER WINKEL	935
Prostatic Acid Phosphatase. Current Assessment in Vaginal Fluid of Alleged Rape Victims. G. BERRY SCHUMANN, SHAWKY BADAWY, ANN PEGLOW, AND JOHN BERNARD HENRY	944
Reduced Erythrocytic Deformability in Megaloblastic Anemia. SAMIR K. BALLAS, PARVIN SAIDI, AND MANUEL CONSTANTINO	953
Fibrinogen Heterogeneity in Cancer, in Occlusive Vascular Disease, and after Surgical Procedures. IZABELLA LIPINSKA, BOGUSLAW LIPINSKI, VICTOR GUREWICH, AND KLAUS D. HOFFMANN	958

Complement Consumption in Acute Disseminated Intravascular Coagulation without Antecedent Immunopathology. HERMAN E. BRANSON, LARRY L. WYATT, AND GOTTFRIED SCHMER	967
Histogenesis of Splenic Lesions in Hodgkin's Disease. LUNG T. YAM AND CHIN-YANG LI ...	976
Sickle-cell Disease and Poststreptococcal Acute Glomerulonephritis. SHANE ROY, III, WILLIAM M. MURPHY, JAMES A. PITCOCK, AND RONALD L. RIMER	986
Oxalosis. An Unusual Cause of Myelophthisis in Childhood. ROBERT W. MCKENNA AND LOUIS P. DEHNER	991
Primary Kaposi's Sarcoma of Lymph Nodes. CARLOS V. RAMOS, HERBERT B. TAYLOR, BENJAMIN A. HERNANDEZ, AND EUGENE F. TUCKER	998
Agglutination with O Antisera of Salmonella Exposed to Antibiotics. VICTOR LORIAN, BARBARA ATKINSON, AND WILLIAM H. EWING	1004
Limulus Amebocyte Lysate Test in Neonates. JOEL A. GOLDSTEIN, L. BARTH RELLER, AND WEN-LAN L. WANG	1012
Facial Abscess Due to <i>Yersinia enterocolitica</i> . JAY F. LEWIS AND JANE ALEXANDER	1016
Pulmonary Infection with <i>Allescheria boydii</i> . ERNA ALTURE-WERBER, STEPHEN C. EDBERG, AND JACQUES M. SINGER	1019
Letters to the Editor:	
Osteomalacia, Histopathologic Diagnosis Made Simple. WILLIAM E. CLARK, II	1025
Demonstration of Antigen and Immune Complex in Glomerulonephritis Due to <i>Staphylococcus aureus</i> . LOUIS P. PERTSCHUK, JUAN CARLOS VULETIN, ALBERT L. SUTTON, AND LUIS A. VELAZQUEZ	1027
"Natural" Green Birefringence of Amyloid. JOHN H. COOPER	1028
Dr. Bordin's Reply. GERALD M. BORDIN	1029
Index to Volume 66	1031



